

# RECESS®

## CONSTRUCTION CHEMICALS



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**VERLASS**  
CONSTRUCTION CHEMICALS

## About use

Verlass Construction and Chemical Industry, with years of experience in the sector, effectively contributes to the construction sector with the well-known and trusted RECESS<sup>®</sup>™ brand. By widening its target to the global market with the proprietary RECESS<sup>®</sup>™ brand, Verlass meets all requirements of the Construction Industry Products including Construction Chemicals, Pressure Concrete, Wall Panels, Wall Ornaments, Construction and Industrial Paints under one roof. Today, Verlass is in the progress of adding value to its clients with innovative and specialized products ranging across 20 different product lines.

Verlass Construction and Chemical Industry provides high-level service to its international trade partners ranging across 41 countries with the philosophy of “Continuous Development is the Key to Success”, utilizing the operation centre located in Turkey, and doing business with innovative, trustworthy, pursuing, honest, customer satisfaction-oriented values.

Verlass adds value to the customer by prioritizing the principles of quality, prompt response to the needs and the service provided by the expert technical team both presale and after-sale.

Verlass Construction and Chemical Industry takes firm steps toward being an innovative and leading firm by adding value to the construction businesses in both Turkey and the World with its Research and Development activities and Technical Support provided in production facilities in Istanbul.

## Our Vision

We give primary importance to the principle of adding value to the client by high-quality, responsive and qualified pre-and after sales services of the technical team.

## Our Mission

Verlass structure and chemical industry proceeds on its way to be one of the innovative and pioneer companies that adds value to construction industry with production facilities in Istanbul, ongoing R & D activities in Turkey and in the world and technical support provided.

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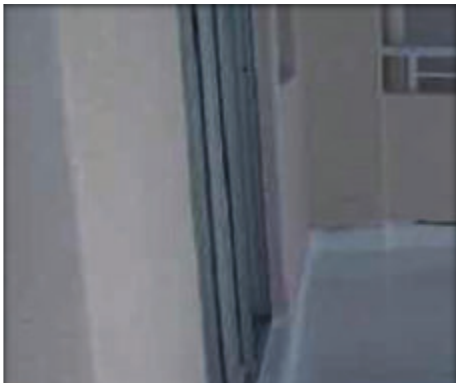
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## WATERPROOFING and INSULATION PRODUCT



**WATER RETAINER**  
Powder Water Seal With Shock Plug



**Technical Specifications:**

Colour	: Grey
Appearance	: Fine Powder
Operating time	: 1–1,5 minutes
Application Temperature	: +5 °C,+30 °C
Drying Time	: 5-6 seconds
Bond Strength	: ≥1 N/mm <sup>2</sup> (Concrete)
Compressive Strength	: ≥30 N/mm <sup>2</sup> (28 Days)

Technical information correspond to the data, which were obtained at 20 °C(±2 °C temperature and 50+5% relative humidity.

**Description**

RECESS Water Retainer is ready-to-use water seal with shock plug. It is applied in powder form without mixing with water. Cement based RECESS Water Retainer with high adherence performance, which sets quickly, contains chemical and polymer additives, used in powder form for sealing active water leakages and drying surface waters.

**Areas of Use**

- For repairing still cracks indoors and outdoors
- Sealing pressurized active water leaks from cracks and gaps.
- For sealing pipe and cable conduits
- Drying surfaces before sealing application
- Filling tie-rod gaps
- The product is used in positive and negative directions in the manholes.

**Advantages**

- It is easy to prepare and apply.
- Insulation can be applied on the product after 15 minutes.
- Resistant to thermal shocks.
- The product doesn't corrode the product since it doesn't contain soda and chlorine
- It provides superior adherence to all kinds of mineral based surfaces.
- Saves energy and time.
- The product is resistant to severe weather conditions.

**Surface Preparation**

Application surfaces must be moistened. You must ensure that the surface achieved the required strength. The surface must be free of layers like oil, grease, dirt, paint, rust, salt efflorescence, which may present surface adhesion. Textures like weak surfaces and cracked plasters, which may easily detach from the surfaces must be removed from the surface. Maximum 2 cm deep cracks and holes must be dug before the application.

**Preparation Instructions**

Ready-to-use 1 and 5 kg powder RECESS Water Retainer, is kept in the plastic bucket in powder form. Powder material is received from the bucket and the bucket is closed to save it from moisture. Make sure that the product doesn't contact with water before the application.

**Instructions for Use**

Wear protective gloves during application. Take a quantity of powder in your hand, press it on the leaked section and keep it in this position until RECESS Water Retainer hardens and water flow stops. After this, smooth the application surface by means of a trowel and apply waterproofing on it. Tools, which are used in the application, must immediately be washed with water after the application.

**Consumption**

1,5–2 Kg/m<sup>2</sup> for 1lt gap.

**Packaging**

- 1 Kg Plastic Bucket
- 5 Kg Plastic Bucket

### WATER RAPID Water Seal With Shock Plug for Insulation of Water Leakages

#### Technical Specifications:

Colour	: Grey
Appearance	: Fine Powder
Operating time	: 2-3 minutes
Application Temperature	: +5 °C,+30 °C
Drying Time	: 3-5 minutes
Bond Strength	: $\geq 1 \text{ N/mm}^2$ (Concrete)
Compressive Strength	: $\geq 30 \text{ N/mm}^2$ (28 Days)



Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

#### Description:

RECESS Water Rapid is a cement based mortar material with high adherence, permanent waterproofing properties, which sets quickly, contains chemical and polymer additives and acts as an expanding plus for the insulation of active water leaks at different areas including underwater environments.

#### Areas of Use

- For repairing still cracks indoors and outdoors
- Sealing pressurized active water leaks from cracks and gaps.
- For sealing pipe and cable conduits
- To round the bevels on areas, where pressurized water is expected (water tank, pool etc.)
- Drying surfaces before sealing application
- Filling tie-rod gaps
- Insulating active water leaks under water level
- The product is used in positive and negative directions in the manholes.

#### Advantages

- It is easy to prepare and apply.
- Insulation can be applied on the product after 15 minutes.
- Resistant to thermal shocks.
- The product doesn't corrode the product since it doesn't contain soda and chlorine
- It provides superior adherence to all kinds of mineral based surfaces.
- Saves energy and time.
- The product is resistant to severe weather conditions.

#### Surface Preparation

Application surfaces must be moisturized. You must ensure that the surface achieved the required strength.  
The surface must be free of layers like oil, grease, dirt, paint, rust, salt efflorescence, which may present surface adhesion.  
Textures like weak surfaces and cracked plasters, which may easily detach from the surfaces must be removed from the surface.  
Maximum 2 cm deep cracks and holes must be dug before the application.

#### Preparation Instructions

1 and 5 kg powder RECESS Water Rapid is slowly added into the container filled with 0.200-0.300 clean water, and mixed in order to prevent agglomeration. The reaction is slower in mixtures prepared with cold water, and faster in mixtures prepared with hot water. For this reason, in cold weathers, warm or hot water can be used to control reaction time. When the reaction starts, the mixture starts to warm. The mortar must be consumed within 3-5 minutes.

#### Instructions for Use

Wear protective gloves during application.

The warming mixture must be turned into a plug, pressed on the water leakage area, and kept there until the material hardens. Don't prepare excessive product, use the prepared mixture within 3-5 minutes at the latest.

#### Consumption

1,5–2 Kg/m<sup>2</sup> for 1lt gap.

#### Packaging

- 1 Kg Plastic Bucket
- 5 Kg Plastic Bucket

## RECEMIX 2K Two Component Semi Elastic Waterproofing Material



### Technical Specifications:

Colour	: Grey
Appearance	: Fine Powder + Liquid
Density	: 1.80 kg/ltr
Stilling	: 5-7 minutes
Operating time	: 1 Hours
Application Temperature	: +5 °C, +30 °C
Mechanical Resistance	: 2 Days
Water Impermeability	: 7 Days
Bond Strength	: 1.5 N/mm <sup>2</sup> (28 Days)
Pressured Water Resistance	: 2 Bar Positive
Coating Time	: 3 Days
Waiting Time Between Coats	
at 10 °C	: 10-12 Hours
at 20 °C	: 5-7 Hours
at 30 °C	: 3-4 Hours
Application Thickness	: Min.0,75 mm
	: Max.5 mm

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description:

RECESS Recemix 2K is a two component, cement and acrylic based, semi elastic waterproofing material, which is suitable for applying only from the positive direction, applied with brush or spraying method.

### Areas of Use

- On foundations, retaining and baffle walls, for providing insulation against soil moisture and water leakage from positive direction.
- For exterior insulation of basement floors
- For waterproofing wet areas such as bathroom, WC and balcony
- For waterproofing wet areas such as bathroom and balcony
- For insulating areas such as pool, water tank from positive direction
- The product is used for the insulation of concrete, plaster and screed on vertical and horizontal areas from positive direction in underground and aboveground construction applications.

### Advantages

- The product is flexible.
- It is easy to prepare and apply.
- Its splice strength and adherence capacity is very high.
- Its constituents are given on the packaging.
- The product is dyeable.
- It can be applied with brush or spraying method.
- Saves energy and time.
- It can be used in potable water reservoirs.
- It is waterproof.

### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of layers like oil, grease, dirt, paint, rust, salt efflorescence, which may present surface adhesion. Textures like cracks, plasters, which may be separated from the surface easily, are removed Where required, the surface can be roughened by means of mechanical methods. Pores and holes must be cleaned with pressurized water or high-pressure air. Application surfaces must be free of pits, segregation, etc., such defects must be corrected with RECESS Structural Repair Mortar. Make sure that is wetted and saturated to water before the application.

### Preparation Instructions

RECESS Recemix 2K waterproofing mortar's B component (liquid) is poured into a clean container. Make sure that component B (liquid) is shaken before the application. Component A (powder) is slowly poured into the liquid, and this mixture is mixed by means of a low speed mixer or drill for 6-7 minutes until complete homogeneity is achieved. This mixture is stilled for mellowing for a period of 5-7 minutes and then re-mixed for 2-3 minutes. The mixture in the container must be mixed at certain intervals and adding any other powders or water into the mixture must be strictly avoided.

### Instructions for Use

Apply RECESS Recemix 2K with at least two coats. Comply with the specified waiting period between coats. After the application of first coat is completed in the same direction, second coat is applied in the opposite direction and vertical to the first one. If the product is applied with very large intervals, it can be used by leaving joints in suitable widths and filling the joint gaps with flexible sealant. For surfaces with cracking risk, RECESS glass-fiber mesh can be placed between two applications. Horizontal-vertical surfaces, vertical-vertical surfaces, joints must be chamfered. RECESS chamfer can be applied on the surface.

### Consumption

Approximately 2-4 Kg/m<sup>2</sup> for 1mm thickness. Depends on the condition of the surface, gaps and other surface losses.

### Packaging

A + B component set: 25 kg  
Component A: 20 Kg Kraft Sack  
Component B: 5 Kg Plastic Jerrican





## RECEFLEX 2K WHITE

### Two Component, Ultra Flexible Waterproofing Material

#### Technical Specifications:



Colour	: White
Appearance	: Fine Powder + Liquid
Density	: 1.66 kg/lt
Stilling	: 5-7 minutes
Operating time	: 1.5 Hours
Application Temperature	: +5 °C, +30 °C
Mechanical Resistance	: 2 Days
Water Impermeability	: 7 Days
Bond Strength	: 2.5 N/mm <sup>2</sup> (28 Days)
Pressured Water Resistance	: 7 Bar Pressure
Coating Time	: 3 Days
Waiting Time Between Coats	at 10 °C : 10-12 Hours at 20 °C : 5-7 Hours at 30 °C : 3-4 Hours
Application Thickness	: Min.0,75 mm : Max.5 mm

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

#### Description:

RECESS Receflex 2K White is a two component, cement and acrylic based, full elastic waterproofing material, which is highly resistant to UV rays, suitable for applying only from the positive direction, applied with brush and spraying method.

#### Areas of Use

- On foundations, retaining and baffle walls, for providing insulation against soil moisture and water leakage from positive direction.
- For exterior insulation of basement floors
- For waterproofing wet areas such as bathroom, WC and balcony
- For waterproofing wet areas such as bathroom and balcony
- For insulating areas such as pool, water tank from positive direction
- The product is used for the insulation of concrete, plaster and screed on vertical and horizontal areas from positive direction in underground and aboveground construction applications.

#### Advantages

- It is easy to prepare and apply.
- It is extra flexible.
- Its UV resistance is high.
- Its splice strength and adherence capacity is very high.
- Its constituents are given on the packaging.
- The product is dyeable.
- It can be applied with brush or spraying method.
- Saves energy and time.
- It can be used in potable water reservoirs.
- It is waterproof.

#### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of layers like oil, grease, dirt, paint, rust, salt efflorescence, which may present surface adhesion. Textures like cracks, plasters, which may be separated from the surface easily, are removed. Where required, the surface can be roughened by means of mechanical methods. Pores and holes must be cleaned with pressurized water or high-pressure air. Application surfaces must be free of pits, segregation, etc., such defects must be corrected with RECESS Structural Repair Mortar. Make sure that is wetted and saturated to water before the application.

#### Preparation Instructions

RECESS Receflex 2K White waterproofing mortar's B component (liquid) is poured into a clean container. Make sure that component B (liquid) is shaken before the application. Component A (powder) is slowly poured into the liquid, and this mixture is mixed by means of a low speed mixer or drill for 6-7 minutes until complete homogeneity is achieved. This mixture is stilled for mellowing for a period of 5-7 minutes and then re-mixed for 2-3 minutes. The mixture in the container must be mixed at certain intervals and adding any other powders or water into the mixture must be strictly avoided.

#### Instructions for Use

Apply RECESS Receflex 2K White with at least two coats. Comply with the specified waiting period between coats. After the application of first coat is completed in the same direction, second coat is applied in the opposite direction and vertical to the first one. If the product is applied with very large intervals, it can be used by leaving joints in suitable widths and filling the joint gaps with flexible sealant. For surfaces with cracking risk, RECESS glass-fiber mesh can be placed between two applications. Horizontal-vertical surfaces, vertical-vertical surfaces, joints must be chamfered. RECESS chamfer can be applied on the surface.

#### Consumption

Approximately 2-4 Kg/m<sup>2</sup> for 1 mm thickness. Depends on the condition of the surface, gaps and other surface losses.

#### Packaging

A + B component set: 30 kg  
Component A: 20 Kg Kraft Sack  
Component B: 10 Kg Plastic Jerrycan

### RECEFLEX 2K

### Two Component Full Elastic Waterproofing Material

#### Technical Specifications:

Colour	: Grey
Appearance	: Fine Powder + Liquid
Density	: 1.66 kg/lit
Stilling	: 5-7 minutes
Operating time	: 1.5 Hours
Application Temperature	: +5 °C,+30 °C
Mechanical Resistance	: 2 Days
Water Impermeability	: 7 Days
Bond Strength	: 2.5 N/mm <sup>2</sup> (28 Days)
Compressive Strength	: 7 Bar Pressure
Coating Time	: 3 Days
Waiting Time Between Coats	at 10 °C : 10-12 Hours
	at 20 °C : 5-7 Hours
	at 30 °C : 3-4 Hours
Application Thickness	: Min.0,75 mm
	: Max.5 mm

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Receflex 2K is a two component, cement and acrylic based, full elastic waterproofing material, which is suitable for applying only from the positive direction, applied with brush or spraying method.

#### Areas of Use

- On foundations, retaining and baffle walls, for providing insulation against soil moisture and water leakage from positive direction.
- For exterior insulation of basement floors
- For waterproofing wet areas such as bathroom, WC and balcony
- For waterproofing wet areas such as bathroom and balcony
- For insulating areas such as pool, water tank from positive direction
- The product is used for the insulation of concrete, plaster and screed on vertical and horizontal areas from positive direction in underground and aboveground construction applications.

#### Advantages

- It is easy to prepare and apply.
- It is extra flexible.
- Its splice strength and adherence capacity is very high.
- Its constituents are given on the packaging.
- The product is dyeable.
- It can be applied with brush or spraying method.
- Saves energy and time.
- It can be used in potable water reservoirs.
- It is waterproof.

#### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of layers like oil, grease, dirt, paint, rust, salt efflorescence, which may present surface adhesion. Textures like cracks, plasters, which may be separated from the surface easily, are removed Where required, the surface can be roughened by means of mechanical methods. Pores and holes must be cleaned with pressurized water or high pressure air. Application surfaces must be free of pits, segregation, etc., such defects must be corrected with RECESS Structural Repair Mortar. Make sure that is wetted and saturated to water before the application.

#### Preparation Instructions

RECESS Receflex 2K waterproofing mortar's B component (liquid) is poured into a clean container. Make sure that component B (liquid) is shaken before the application. Component A (powder) is slowly poured into the liquid, and this mixture is mixed by means of a low speed mixer or drill for 6-7 minutes until complete homogeneity is achieved. This mixture is stilled for mellowing for a period of 5-7 minutes and then re-mixed for 2-3 minutes. The mixture in the container must be mixed at certain intervals and adding any other powders or water into the mixture must be strictly avoided.

#### Instructions for Use

Apply RECESS Receflex 2K with at least two coats. Comply with the specified waiting period between coats. After the application of first coat is completed in the same direction, second coat is applied in the opposite direction and vertical to the first one. If the product is applied with very large intervals, it can be used by leaving joints in suitable widths and filling the joint gaps with flexible sealant. For surfaces with cracking risk, RECESS glass-fiber mesh can be placed between two applications. Horizontal-vertical surfaces, vertical-vertical surfaces, joints must be chamfered. RECESS chamfer can be applied on the surface.

#### Consumption

Approximately 2-4 Kg/m<sup>2</sup> for 1mm thickness. Depends on the condition of the surface, gaps and other surface losses.

#### Packaging

A + B component set: 30 kg  
Component A: 20 Kg Kraft Sack  
Component B: 10 Kg Plastic Jerrican

## RUBBER COAT PLUS

### Elastomeric Resin Based Super Flexible Waterproofing Material



#### Technical Specifications:

Colour	: White/Grey/Cotto/Green
Appearance	: Liquid
Density	: 1.49 kg/lt
Application Temperature	: +5 °C,+30 °C
Surface Protection Period	: 5-6 Hours
Mechanical Resistance	: 5 Days
Water Impermeability	: 7 Days
Ultimate Strength	: 15 Days
Coating Time	: 3 Days
Waiting Time Between Coats at 20 °C	: 4-5 Hours
Application Thickness	: Optimum 1.mm
Bond strength	: 2.5 N/mm <sup>2</sup>

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

#### Description:

RECESS Rubber Coat Plus is a single component, elastomeric resin based, ready-to-use, dyeable, acrylic based, flexible waterproofing material with high UV resistance, which provides water impermeability by forming a layer on the surface. Solvent-free and with a viscous liquid appearance, RECESS Rubber Coat Plus is applied on dry and slightly moist surfaces.

#### Areas of Use

- Water tanks, swimming pools and ornamental pools
- For waterproofing wet areas such as bathroom, WC, terrace and balcony
- On inclined terrace roofs
- Concrete, plaster and cement finish surfaces
- Water-proofing galvanized sheet, aluminium, zinc, VC fringes, closed gutters and water slots.

#### Advantages

- Ready-to-use.
- Solvent-free.
- High elasticity module.
- Provides easy application.
- It can be painted and coated with ceramic.
- It can be applied with brush or roller directly.
- Saves energy and time.
- It's not affected by sunlight, UV resistant.
- It has water vapour permeability

#### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of layers like oil, grease, dirt, paint, rust, salt efflorescence, which may present surface adhesion. Textures like cracks, plasters, which may be separated from the surface easily, are removed Where required, the surface can be roughened by means of mechanical methods. Pores and holes must be cleaned with pressurized water or high-pressure air. Application surfaces must be free of pits, segregation, etc., such defects must be corrected with RECESS Structural Repair Mortar. Make sure that inclination screed or concrete is applied in the direction of water flow. Application surface of the product must be free of water accumulation or ponding. If ceramic will be applied on wet areas and balconies, RECESS chamfer strip must be attached on all corners before the application.

#### Preparation Instructions

Since RECESS Rubber Coat Plus waterproofing material is a ready-to-use product, it is used by mixing in a clean container by means of a low speed mixer or drill for 3-4 minutes in order to prevent agglomeration.

#### Instructions for Use

Before the application, surfaces are primed with RECESS Rubber Coat Plus, which is diluted with water at the ratio of 1:1. Consumption amount is approximately 100-250 gr/m<sup>2</sup>. Prime is applied on the surface with a brush. Non-absorbent glossy surfaces must be roughened with mechanical methods before priming application. Prime is dried for 3-4 hours before any other application. RECESS Rubber Coat Plus must be applied on primer surfaces with minimum two coats and waiting periods between coats must be complied with. Make sure that prime coat is completely dry before applying the top coat. After the application of first coat is completed in the same direction, second coat is applied in the opposite direction and vertical to the first one.

#### Cleaning of Tools

Tools are cleaned with water immediately after the application.

#### Consumption

Priming application 100-250 gr/m<sup>2</sup>  
On horizontal area 1-1,5 Kg/ m<sup>2</sup> (for 1 mm thickness)  
On vertical area 0,800-1,00 Kg/ m<sup>2</sup> (for 1 mm thickness)  
It may vary according to surface conditions, gap etc. loss.

#### Packaging

5kg and 20kg Plastic Bucket

### RUBBER COAT

## Elastomeric Resin Based Waterproofing Material

#### Technical Specifications:

Colour	: White
Appearance	: Liquid
Density	: 1.47 kg/lt
Application Temperature	: +5 °C,+30 °C
Surface Drying Time	: 5-6 Hours
Mechanical Resistance	: 5 Days
Water Impermeability	: 7 Days
Ultimate Strength	: 15 Days
Bond Strength	: 1.50 N/mm <sup>2</sup>
Coating Time	: 3 Days
Waiting Time Between Coats at 20 °C	: 4-5 Hours
Application Thickness	: Optimum 1.mm

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Rubber Coat Hard Plus is a single component, elastomeric resin based, ready-to-use, dyeable, acrylic based, flexible waterproofing material with high UV resistance, which provides water impermeability by forming a layer on the surface. Solvent-free and with a viscous liquid appearance, RECESS Rubber Coat is applied on dry and slightly moist surfaces.

#### Areas of Use

- Water tanks, swimming pools and ornamental pools
- For waterproofing wet areas such as bathroom, WC, terrace and balcony
- On inclined terrace roofs
- Concrete, plaster and cement finish surfaces
- Water-proofing galvanized sheet, aluminium, zinc, VC fringes, closed gutters and water slots.

#### Advantages

- Ready-to-use.
- Solvent-free.
- High elasticity module.
- Provides easy application.
- It can be painted and coated with ceramic.
- It can be applied with brush or roller directly.
- Saves energy and time.
- It's not affected by sunlight, UV resistant.
- It has water vapour permeability

#### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of layers like oil, grease, dirt, paint, rust, salt efflorescence, which may present surface adhesion. Textures like weak surfaces and cracked plasters, which may easily detach from the surfaces are removed from the surface. Where required, the surface can be roughened by means of mechanical methods. Pores and holes must be cleaned with pressurized water or high-pressure air. Application surfaces must be free of pits, segregation, etc., such defects must be corrected with RECESS Structural Repair Mortar. Make sure that inclination screed or concrete is applied in the direction of water flow. Application surface of the product must be free of water accumulation or ponding. If ceramic will be applied on wet areas and balconies, RECESS chamfer strip must be attached on all corners before the application.

#### Preparation Instructions

Since RECESS Rubber Coat waterproofing material is a ready-to-use product, it is used by mixing in a clean container by means of a low speed mixer or drill for 3-4 minutes in order to prevent agglomeration.

#### Instructions for Use

Before the application, surfaces are primed with RECESS Rubber Coat, which is diluted with water at the ratio of 1:1. Consumption amount is approximately 100-250 gr/m<sup>2</sup>. Prime is applied on the surface with a brush. Non-absorbent glossy surfaces must be roughened with mechanical methods before priming application. Prime is dried for 3-4 hours before any other application. RECESS Rubber Coat must be applied on primer surfaces with minimum two coats and waiting periods between coats must be complied with. Make sure that prime coat is completely dry before applying the top coat. After the application of first coat is completed in the same direction, second coat is applied in the opposite direction and vertical to the first one.

#### Cleaning of Tools

Tools are cleaned with water immediately after the application.

#### Consumption

Priming application 100-250 gr/m<sup>2</sup>  
 On horizontal area 1-1,5 Kg/ m<sup>2</sup> (for 1 mm thickness)  
 On vertical area 0,800-1,00 Kg/ m<sup>2</sup> (for 1 mm thickness)  
 It may vary according to surface conditions, gap etc. loss.

#### Packaging

20 Kg Plastic Bucket

## CRY5

## Crystallized Waterproofing Material



## Technical Specifications:

Colour	: Grey
Appearance	: Fine Powder
Density	: 1.57 kg/lit
Water Mixture Rate	: 8.25-8,75 lt/25 Kg Powder
Operating time	: 30 minute
Stilling	: 2-3 minutes
Application Temperature	: +5 °C,+30 °C
Bond Strength	: $\geq 2 \text{ N/mm}^2$
Compressive Strength	: $\geq 20 \text{ N/mm}^2$ (28 Days)
Water Pressure Resistance	: 6 Bar

Technical information correspond to the data, which were obtained at 20 oC(±2 oC) temperature and 50+5% relative humidity.

## Description:

RECESS Cry5 is a cement based, one-component waterproofing material developed with special chemicals, applied from both negative and positive directions, which doesn't prevent the breathability of the surface, achieve crystallization by penetrating through capillary cracks and forms an inseparable insulating area by integrating with concrete. The mixture produces crystal by reacting with free lime particles on the application area and provide water insulation by penetrating through concrete structure deeply. In addition to waterproofing, the product is also used for providing protection against sea water, waste water and diluted chemicals.

## Areas of Use

- Water tanks, waste water tanks
- Waterproofing elevator pits
- Waterproofing subway, tunnel, dam constructions
- Waterproofing reinforced concrete structures under sea water level and exposed to effects of water
- For waterproofing concrete stream, irrigation channels etc.
- The product is used on foundation, curtain, basement floor, retaining walls for providing insulation against water flow from positive and negative directions.

## Advantages

- It is easy to prepare and apply.
- It can be applied with brush or spraying equipment.
- The product can be applied on horizontal and vertical surfaces.
- The product is water vapour permeable.
- Saves energy and time.
- The product is resistant to severe weather conditions.
- It is resistant to negative and positive water pressure.
- Formed crystals are insoluble in water, integrated with the surface and resistant to wearing effect.
- It protects concrete and reinforcement elements from the corrosive effects of water.

## Surface Preparation

Application surfaces must be moisturized. Dry surfaces must be wetted and saturated to water before the application. Corrosion, dirt, paint residues materials such as silicone, dust, lime, mould oil etc. must be removed from the application surface by means of wire brush or spraying method.

If there are sections such as holes, cracks, segregation, moulding errors, which require repair works on the surface, they must be repaired with RECESS Structural Repair Mortar.

Make sure that multi-porous surfaces such as exposed concrete, cement based plaster are saturated to water and the product is applied in a way that the surface remains moist.

Areas with active water leakage must be sealed with RECESS Water Retainer Water Seal with Shock Plug.

## Preparation Instructions

25kg powder RECESS Cry5 is poured into 8,25-8,75 lt in a container. The product is mixed by means of a low speed mixer or drill in order to prevent agglomeration. Mixing process is continued for approximately 2-3 minutes. The mixture is re-mixed after 2-3 minutes and applied on the surface.

## Instructions for Use

**a)With brush:** The surface must be moistened and saturated to water before the application. The product is applied to the whole surface by means of brush, plastering or spraying equipment. Application must be at least 2 coats. However, the product must be applied in 3 coats on areas with pressurized water. Make sure that each coat is applied after specified dry time of the previous coat. (4-6 Hours) Direction of each coat must be opposite and vertical to the direction of previous application. The mixture must be mixed at certain intervals. Newly applied surfaces must be protected against the harmful effects of frost, wind and sun for 5-6 days. Water can be pumped into water tanks 1 day after the application. Horizontal-vertical surfaces, vertical-vertical surfaces, joints must be chamfered. During the 72 hours after the application, curing process must be applied by moistening the surface at certain intervals. An accurate and sufficient curing application is important; moistening must be performed at regular and frequent intervals.

**b)Scattering:** Before foundation reinforced concrete is poured, RECESS Cry5 is sprinkled on the lean concrete over the iron rafts. Consumption is 1-2 kg per m<sup>2</sup>. Depending on waterproofing requirements, RECESS Cry5 can be applied on the surface. After this, reinforced concrete is poured. Since the concrete is grey, a different colour can be preferred for water insulation. In this case, red crystallized insulation product RECESS Cry5 Color can be applied on the first coat. After this, grey RECESS Cry5 is applied on the other coats.

## Cleaning of Tools

Tools are cleaned with water immediately after the application.

## Consumption

Against humidity, 2 Kg/m<sup>2</sup> on two coats.

For non-pressure areas, 1,5-2 Kg/m<sup>2</sup> on 2 coats.

For pressure areas, 2-4 Kg/m<sup>2</sup> on 2-3 coats.

Sprinkling 1-2 kg/ m<sup>2</sup>.

## Packaging

25 Kg Kraft sack

### CRYS COLOR Coloured Crystallized Waterproofing Material

#### Technical Specifications:

Colour	: Red
Appearance	: Fine Powder
Density	: 1.35 kg/lit
Water Mixture Rate	: 8.25-8,75 lt/25 Kg Powder
Operating time	: 30 minute
Stilling	: 2-3 minutes
Application Temperature	: +5 oC, +30 °C
Bond Strength	: $\geq 2 \text{ N/mm}^2$
Compressive Strength	: $\geq 20 \text{ N/mm}^2$ (28 Days)
Water Pressure Resistance	: 6 Bar

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Crys Color is a cement based, one-component waterproofing material developed with special chemicals, applied from both negative and positive directions, which doesn't prevent the breathability of the surface, achieve crystallization by penetrating through capillary cracks and forms an inseparable insulating area by integrating with concrete. The mixture produces crystal by reacting with free lime particles on the application area and provide water insulation by penetrating through concrete structure deeply. In addition to waterproofing, the product is also used for providing protection against sea water, waste water and diluted chemicals

#### Areas of Use

- Water tanks, waste water tanks
- Waterproofing elevator pits
- Waterproofing subway, tunnel, dam constructions
- Waterproofing reinforced concrete structures under sea water level and exposed to effects of water
- For waterproofing concrete stream, irrigation channels etc.
- The product is used on foundation, curtain, basement floor, retaining walls for providing insulation against water flow from positive and negative directions.

#### Advantages

- It is easy to prepare and apply.
- It is not affected by harmful sun rays thanks to its iron oxide red colour.
- It can be applied with brush or spraying equipment.
- The product can be applied on horizontal and vertical surfaces.
- The product is water vapour permeable.
- Saves energy and time.
- The product is resistant to severe weather conditions.
- It is resistant to negative and positive water pressure.
- Formed crystals are insoluble in water, integrated with the surface and resistant to wearing effect.
- It protects concrete and reinforcement elements from the corrosive effects of water.

#### Surface Preparation

Application surfaces must be moisturized. Dry surfaces must be wetted and saturated to water before the application. Corrosion, dirt, paint residues materials such as silicone, dust, lime, mould oil etc. must be removed from the application surface by means of wire brush or spraying method. If there are sections such as holes, cracks, segregation, moulding errors, which require repair works on the surface, they must be repaired with RECESS Structural Repair Mortar. Make sure that multi-porous surfaces such as exposed concrete, cement based plaster are saturated to water and the product is applied in a way that the surface remains moist. Areas with active water leakage must be sealed with RECESS Water Retainer Water Seal with Shock Plug.

#### Preparation Instructions

25kg powder RECESS Crys Color is poured into 8,25-8,75 lt in a container. The product is mixed by means of a low speed mixer or driller in order to prevent agglomeration. Mixing process is continued for approximately 2-3 minutes. The mixture is re-mixed after 2-3 minutes and applied on the

#### Instructions for Use

- a) With brush:** The surface must be moistened and saturated to water before the application. The product is applied to the whole surface by means of brush, plastering or spraying equipment. Application must be at least 2 coats. However, the product must be applied in 3 coats on areas with pressurized water. Make sure that each coat is applied after specified dry time of the previous coat. (4-6 Hours). Direction of each coat must be opposite and vertical to the direction of previous application. The mixture must be mixed at certain intervals. Newly applied surfaces must be protected against the harmful effects of frost, wind and sun for 5-6 days. Water can be pumped into water tanks 1 day after the application. Horizontal-vertical surfaces, vertical-vertical surfaces, joints must be chamfered. During the 72 hours after the application, curing process must be applied by moistening the surface at certain intervals. An accurate and sufficient curing application is important; moistening must be performed at regular and frequent intervals.
- b) Scattering:** Before foundation reinforced concrete is poured, RECESS Crys Color is sprinkled on the lean concrete over the iron rafts. Consumption is 1-2 kg per m<sup>2</sup>. Depending on waterproofing requirements, RECESS Crys Color can be applied on the surface. After this, reinforced concrete is poured. Since the concrete is grey, a different colour can be preferred for water insulation. In this case, red crystallized insulation product RECESS Crys Color can be applied on the first coat. After this, grey RECESS Crys is applied on the other coats.

#### Cleaning of Tools

Tools are cleaned with water immediately after the application.

#### Consumption

Against humidity, 2 Kg/m<sup>2</sup> on two coats.  
For non-pressure areas, 1,5-2 Kg/m<sup>2</sup> on 2 coats.  
For pressure areas, 2-3 Kg/m<sup>2</sup> on 2-3 coats.  
Sprinkling 1-2 kg/ m<sup>2</sup>.

#### Packaging

25 Kg Kraft sack

## CRYS MIXL SINGLE COMPONENT CRYSTALLIZED LIQUID CONCRETE ADMIXTURE



### Technical Specification

Content	: Active chemicals content special cement
Color	: Transparent
Density	: 1,15 kg/lit
pH	: 11,5
Mixing	: With Water
Application Temperature	: +5 °C to +35 °C
Workability Time	: 45 min.
Appearance	: Liquid

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity

### Description:

Recess Crys Mixl is a waterproofing concrete admixture that forms crystal fiber on the capillary gaps of concrete to provide permanently water impermeability.

### Areas of Use

- In suitable for all concrete applications to needed water impermeability.
- In foundations, basements.
- In tunnels, dams.
- In precast concrete elements.
- In potable water tanks and waste water tanks.
- In water treatment plant.
- In swimming pools.
- In elevator pits.
- In garage.

### Advantages

- Provides permanently active waterproofing. During the curing time, it creates insoluble nano structural crystal into the capillary cracks.
- Protects the concrete against negative and positive water pressure.
- Non toxic. Safely used in water tanks.
- Water vapor permeable. It allows the building to breath.
- Easy to prepare and apply.
- Suitable for bored piled raft insulation.
- Does not need to any additional waterproofing applications.
- Does not harm for human health and environment.

### Surface Preparation

Shake Recess Crys Mixl Crystalline Waterproofing Liquid Concrete Admixture well before use. Control of the concrete mix design regarding water/concrete ratio < 0,55 prior to dosing Recess Crys Mixl Crystalline Waterproofing Liquid Concrete Admixture. Recess Crys Mixl Crystalline Waterproofing Liquid Concrete Admixture must be added into the concrete as the ratio of 2 % Mixture; - If prepared in construction yard; Recess Crys Mixl Crystalline Waterproofing Liquid Concrete Admixture 20 must be added %2 of cement on ready to apply concrete mixture and stirred 5 minutes. - If prepared in concrete plant Recess Crys Mixl Crystalline Waterproofing Liquid Concrete Admixture is added on water then this mixture is added on concrete mixture as last ingredients. Workability time is approximately 45 minutes after the addition of Recess Crys Mixl Crystalline Waterproofing Liquid Concrete Admixture

### Instructions for Use

If the Water/Cement ratio is <0,55; Recess Crys Mixl Crystalline Waterproofing Liquid Concrete Admixture is added 2 % by weight of cement on the mixture. Water/Cement ratio shouldn't be up to 0,55.

### Packaging

30 kg plastic drum



### CRYS MIX SINGLE COMPONENT CRYSTALLIZED POWDER CONCRETE ADMIXTURE

#### Technical Specifications

Content	: Active chemicals content special cement
Color	: Grey
Appearance	: Powder
Mixing	: With Water
Density	: 1,04 g/Cm <sup>3</sup>
Application Temperature	: +5 °C to +35 °C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Crys Mix Powdered Concrete Admixture is a waterproofing concrete admixture that forms crystal fiber on the capillary gaps of concrete to provide permanently water impermeability.

#### Areas of Use

- In suitable for all concrete applications to needed water impermeability.
- In foundations, basements.
- In tunnels, dams.
- In precast concrete elements.
- In potable water tanks and waste water tanks.
- In water treatment plant.
- In swimming pools.
- In elevator pits.
- In garage.

#### Advantages

- Provides permanently active waterproofing. During the curing time, it creates insoluble nano structural crystal into the capillary cracks.
- Protects the concrete against negative and positive water pressure.
- Non toxic. Safely used in water tanks.
- Water vapor permeable. It allows the building to breath.
- Easy to prepare and apply.
- Suitable for bored piled raft insulation.
- Does not need to any additional waterproofing applications.
- Does not harm for human health and environment.

#### Surface Preparation

Shake RECESS Crys Mix Powdered Concrete Admixture well before use.

Control of the concrete mix design regarding water/concrete ratio <0,55 prior to dosing Recess Powdered Concrete Admixture. Recess Powdered Concrete Admixture must be added into the concrete as the ratio of 2 %. • Mixture;- If prepared in construction yard; RECESS Crys Mix Powdered Concrete Admixture must be added %2 of cement on ready to apply concrete mixture and stirred 5 minutes. - If prepared in concrete plant; RECESS Crys Mix Powdered Concrete Admixture is added on water then this mixture is added on concrete mixture as last ingredients.

Workability time is approximately 45 minutes after the addition of RECESS Crys Mix Powdered Concrete Admixture

#### Instructions for Use

If the Water/Cement ratio is < 0,55; RECESS Crys Mix Powdered Concrete Admixture is added 2 % by weight of cement on the mixture. Water/Cement ratio shouldn't be up to 0,55.

#### Packaging

25 kg metal pail

## EXILICON

### Solvent Based Silane Water Repellent



#### Technical Specifications:

Colour	: Lucent
Appearance	: Liquid
Density	: 1.08 kg/lt
Application Temperature	: +5 °C,+30 C
Waiting Time Between Coats	:
	10 °C : Min. 30 min-Max.5 Hours
	23 °C : Min.15 min-Max.4 Hours
	30 °C : Min.15 min-Max.4 Hours
UV Resistance	: Perfect

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

#### Description:

RECESS Exilicon is a colourless solvent based, hydrophobic exterior waterproofing material, which contacts with unpressurised water, protects the surface against external factors by penetrating through the area, prevents the water retention of the surface, applied on both new and old concretes because of its high alkali resistance without changing the appearance of the surface. Since it doesn't form a film layer on the surface, it doesn't prevent the breathing of the building, change its appearance, cause swelling blacking or give any colour and brightness on the surface.

#### Areas of Use

- To prevent blackening, contamination and colour change on the exterior coatings because of frost and rain water
- To prevent algae and fungal growth on slightly absorbent surfaces such as concrete, marble, brick, rock, granite.
- To prevent salt efflorescence and swelling on mineral based and absorbent surfaces
- The product is applied as a primer under exterior top coat paints.

#### Advantages

- Ready-to-use.
- It is transparent, it doesn't change the appearance of the surface and form an adhesive layer.
- Other materials can quickly be applied on the product.
- The product is dyeable.
- It can be applied with brush or spraying method.
- Saves energy and time.
- It prevents the building's thermal isolation value from decreasing since it prevents exterior surfaces from getting wet.
- The product is resistant to alkalis and UV rays.
- It has water vapour permeability
- Long service life.

#### Surface Preparation

Corrosion, dirt, paint residues materials such as silicone, dust, lime, mould oil etc. must be removed from the application surface by means of wire brush or spraying method.

Surfaces must not have surfaces wider than 0.3-0.4 mm. This kind of cracks must be repaired with RECESS structural repair mortar. The surface must be roughened by means of blasting and sanding on required areas.

Application surfaces (joinery, glass etc.) and plants must be protected during application.

#### Preparation Instructions

Ready-to-use RECESS Exilicon, must be opened from its sealed package and poured to a clean container.

Amount of product required for the application must be taken from the packaging. Remaining amount must be kept in the sealed contained.

#### Instructions for Use

RECESS Exilicon must be applied from top to bottom by means of brush or spraying method.

The product must be applied with two coats. The product must be applied until surfaces are saturated.

Since the product contains solvent, protective gloves and mask must be worn during application.

#### Cleaning of Tools

Tools are cleaned with water immediately after the application.

#### Consumption

250-700 gr/ m<sup>2</sup> according to workmanship and surface absorbency.

#### Packaging

5 Kg Tin Can

### Technical Specifications

Colour	: White
Appearance	: Invisible
Density	: 0.94 kg/lit
Application Temperature	: +5 °C,+30 °C
Waiting Time Between Coats	: 10 minutes
Drying Time Through-dry Time	: 8 Hours
Curing	: 10 Days
UV Resistance	: Perfect

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



### Description:

RECESS Cilon is a water based, colourless, hydrophobic exterior water-proofing material, which protects the surface from exterior factors by penetrating through the area on surfaces that contact with unpressurized water, prevents the water retention of the surface, form an invisible barrier on capillary channels without changing the appearance of the surface. Since it doesn't form a film layer on the surface, it doesn't prevent the breathing of the building, change its appearance, cause swelling blacking or give any colour and brightness on the surface.

### Areas of Use

- To prevent blackening, contamination and colour change on the exterior coatings because of frost and rain water
- To prevent algae and fungal growth on slightly absorbent surfaces such as concrete, marble, brick, rock, granite.
- To prevent salt efflorescence and swelling on mineral based and absorbent surfaces
- The product is applied as a primer under exterior top coat paints.

### Advantages

- Ready-to-use.
- It is a transparent, invisible material, which doesn't form a layer on the surface.
- Other materials can quickly be applied on the product.
- It has quick water repellent qualities.
- The product is dyeable.
- It can be applied with brush or spraying method.
- Saves energy and time.
- It prevents the building's thermal isolation value from decreasing since it prevents exterior surfaces from getting wet.
- It has quick water repellent qualities.
- It has water vapour permeability
- Long service life.

### Surface Preparation

Corrosion, dirt, paint residues materials such as silicone, dust, lime, mould oil etc. must be removed from the application surface by means of wire brush or spraying method. Surfaces must not have surfaces wider than 0.3-0.4 mm. This kind of cracks must be repaired with RECESS structural repair mortar. The surface must be roughened by means of blasting and sanding on required areas. Application surfaces (joinery, glass etc.) and plants must be protected during application.

### Preparation Instructions

Ready-to-use RECESS Cilon, must be opened from its sealed package and poured to a clean container. Amount of product required for the application must be taken from the packaging. Remaining amount must be kept in the sealed contained.

### Instructions for Use

RECESS Cilon must be applied from top to bottom by means of brush or spraying method. The product must be applied with two coats. The product must be applied until surfaces are saturated. Make sure that waiting period between coats is 10 minutes maximum, and second coat application is started with wet over wet method without waiting for through-drying of the first coat. Make sure that the product doesn't splash on glossy surfaces such as glass and metal. If the product splashes on such surfaces, clean the area with a damp sponge.

### Cleaning of Tools:

Tools are cleaned with water immediately after the application.

### Consumption

250-700 gr/ m<sup>2</sup> according to workmanship and surface absorbency.

### Packaging

5 Kg Jerrican

## RECETAN 2K

## Two Component PU Based Waterproofing Material

**Technical Specifications:**

Colour	: White, Grey, Beige
Appearance	: Liquid
Density	: 1,40 Kg./Lt.
Application Temperature	: +5 °C, +30 °C
Waiting Time Between Coats	: 8 Hours
Mixture Waiting Time	: Max. 30 minutes

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

**Description:**

RECESS Recetan 2K is a two component, polyurethane based, solvent-free waterproofing material with high UV resistance, which protects its elastic structure permanently and can be applied on concrete, wood, metal etc. surfaces.

**Areas of Use**

- Indoors and outdoors  
It can be used in potable water reservoirs.
- Foundations and concrete walls of foundations,
- Terrace, roof, balcony applications,
- Roof gutters, prefabricated concrete streams and channels,
- Wet areas,
- Different types of concrete, plaster, wood, metal, sheet surfaces.

**Advantages**

- It is easy to prepare and apply.
- It is resistant to UV rays.
- It can be used easily even in closed areas because of its solvent-free structure.
- The product provides water insulation, corrosion inhibition performance and it is resistant to some chemicals.
- It has a high adherence on the applied surface.
- It's not harmful to human health.
- It can be safely used in potable water reservoirs.
- Long service life.

**Surface Preparation**

You must ensure that the surface achieved the required strength. Newly poured concrete must complete its 28 days curing process. The surface must be free of layers like oil, grease, dirt, paint, rust, salt efflorescence, which may present surface adhesion. Textures like weak surfaces and cracked plasters, which may easily detach from the surfaces are removed from the surface. The efficiency can be improved by means of surface etching with water jet and mechanical abrasion tool.

Pores and holes must be cleaned with pressurized water or high pressure air. Application surfaces must be free of pits, segregation, etc., such defects must be corrected with RECESS Repair Mortar. Application surface must be wet or damp.

**Preparation Instructions**

Hardening agent in the small box and primary material in the big box are added to each other and mixed with a low speed mixer or driller until they are completely homogeneous. The material, which is completely homogeneous, can be applied on the surface. About 30-45 minutes after the mixing process, the material will have a gell-like consistency.

**Instructions for Use**

Fresh concrete surfaces or dusting surfaces with low adherence level must be primed with polyurethane based RECESS Recemier before the application. Waiting period of primed surface is 24 hours. The material, which is homogenized by means of a low speed mixer or driller, is applied on the primed surface by means of a fine toothed comb, short pile roller, brush or a suitable spraying method. The product must be applied at least in two coats, preferably three coats. Make sure that, depending on the air temperature, second coating is applied after approximately 8 hours. The waiting period may be shorter under extremely hot weather conditions, and longer under extremely cold weathers. If it will be coated with ceramic, a thin coat of RECESS Recetan 2K is applied after ultimate curing, and dry sand must be applied when the layer is fresh and wet.

**Consumption**

1,2- 1,5 Kg/m<sup>2</sup> in two coats  
It may vary according to the absorbency of the surface.  
Application surface must be wet or damp.

**Packaging**

5+1 Kg Tin Set  
10+2 Kg Tin Set

### RECECOAT

### Single Component PU Based Waterproofing Material

#### Technical Specifications

Colour	: White, Grey
Appearance	: Liquid
Density	: 1.40 kg/ltr
Application Temperature	: +5 °C, +30 °C
Waiting Time Between Coats	: 12 Hour
The Period to Walk on The Surface	: 16-24 Hours (23 °C)
Tensile Strength	: ≥8 N/mm <sup>2</sup> (7 Days)
Elongation at break	: ≥%400(7 Days)

Technical information correspond to the data, which were obtained at 20 °C (±2 °C) temperature and 50±5% relative humidity.



#### Description:

RECESS Rececoat is a one component, ready-to-use, UV resistant, solvent containing, polyurethane based waterproofing material, on which it is possible to walk after the application, which maintains its elastic structure permanently, provides insulation against , water flow and leaking from positive direction.

#### Areas of Use

- Indoors and outdoors
- Foundations and concrete walls of foundations,
- Terrace, roof, balcony applications,
- Roof gutters, prefabricated concrete streams and channels,
- Wet areas,
- Different types of concrete, plaster, wood, metal, sheet surfaces.
- The product is used for protecting concrete structures against water and corrosion.

#### Advantages

- The product is single component, ready-to-use, and easy to apply and repair.
- It is resistant to UV rays.
- Capable of forming crack bridging.
- The product provides water insulation, corrosion inhibition performance and it is resistant to some chemicals.
- It has a high adherence on the applied surface.
- It's not harmful to human health.
- It has water vapour permeability.
- Long service life.

#### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of layers like oil, grease, dirt, paint, rust, salt efflorescence, which may present surface adhesion. Textures like cracks, plasters, which may be separated from the surface easily, are removed. The efficiency can be improved by means of surface etching with water jet and mechanical abrasion tool. Pores and holes must be cleaned with pressurized water or high-pressure air. Application surfaces must be free of pits, segregation, etc., such defects must be corrected with RECESS Repair Mortar. Application surface must be wet or damp.

#### Preparation Instructions

Since RECESS Rececoat, which is contained in a tin bucket, is a ready-to-use material, strictly avoid adding water or any other additives to the product. Before the application, the product is mixed by means of a low speed mixer or driller until it achieves a homogeneous structure. The material, which is completely homogeneous, can be applied on the surface.

#### Instructions for Use

Fresh concrete surfaces or dusting surfaces with low adherence level must be primed with polyurethane based RECESS Recemier before the application. Waiting period of primed surface is 24 hours. The material, which is homogenized by means of a low speed mixer or driller, is applied on the primed surface by means of a fine toothed comb, short pile roller, brush or a suitable spraying method. The product must be applied at least in two coats, preferably three coats. Make sure that, depending on the air temperature, second coating is applied after approximately 12 hours. The waiting period may be shorter under extremely hot weather conditions, and longer under extremely cold weathers. Ultimate curing is completed in 5 days. If it will be coated with ceramic, a thin coat of RECESS Rececoat is applied after ultimate curing, and dry sand must be applied when the layer is fresh and wet.

#### Consumption

On horizontal areas, 1 – 1,5 Kg/m<sup>2</sup> for each coat  
 On vertical areas, 0,800 Kg/m<sup>2</sup> for each coat  
 It may vary according to the absorbency of the surface.  
 Application surface must be wet or damp.

#### Packaging

- 3 kg metal can
- 12 kg metal can
- 25 kg metal can

## RECEMIER 014

## Polyurethane Based Absorbent Surface Primer

## Technical Specifications:

Colour	: Lucent
Appearance	: Liquid
Chemical Structure	: Polyurethane Based
Abrasion Resistance	: Yes
Water Resistance	: Yes
Ground Application Temperature	: +5 °C, +25 °C
Drying Time	: 3-8 Hours

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



## Description:

RECESS Recemier 014 is a single component, transparent polyurethane primer, which contains solvent.

## Areas of Use

- Indoors and outdoors
- On horizontal and vertical surfaces
- For stabilizing dusting and crumbling surfaces
- For increasing the abrasion resistance of mineral based surfaces
- To obtain high adherence on surfaces to be coated with polyurethane material
- To increase the adherence of the top material before adhesion or coating
- application on absorbent surfaces such as wood, concrete etc.

## Advantages

- It is fast and easy to apply the product. -
- It increases the absorbency of concrete structure and fills the unstructured capillary cracks.
- The product hardens the top surface of the concrete by penetrating the surfaces deeply.
- It provides two-stage protection, since it allows permanent water-tightness on the surface.
- It fills the pores and forms an impermeable layer on gas concrete and similar surfaces.
- It's not affected by weather conditions within the range of -30°C / +120°C.
- It is resistant to salty water, saline solutions, diluted acids, aliphatic solvents, fuel and mineral oils.
- It deeply penetrates and impregnates all the mineral and concrete surfaces deeply with high adherence.

## Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. The surface must be stable, safe against sliding, clean and free of dirt and moisture.  
- Bituminous, tarred and acrylic surfaces must be cleaned without leaving any residues. The surface must be made suitable before the application. If the product will be applied in an indoor space, sufficient ventilation must be provided.

## Preparation Instructions

4 kg and 15 kg liquid RECESS Recemier 014 is a ready-to-use material. The amount to be applied must be transferred to a container, since the product will react to humidity. You mustn't add any additive and/or chemical substances to the ready-to-use material. Surplus product is kept in its own packaging by closing its cover tightly. Before the application, the product must be mixed by means of a low speed mixer or drilller until it achieves a homogeneous structure.

## Instructions for Use

Ready-to-use RECESS Recemier 014 is applied on the surface directly by means of roll or brush. It is applied on the whole surface uniformly and thoroughly. Depending on the surface absorption, two coats of application is recommended. Drying time between coatings is 2-3 hours. Avoid applying the product under rainy or possibly rainy weather conditions. Lined surface must be protected against water for 3-4 hours.

## Consumption

100-200 gr/m<sup>2</sup> on single coat  
It depends on the absorbency of the surface.

## Packaging

4 kg tin can  
15 kg tin can

## RECEMIER 015

### Silane Based Non-absorbent Surface Primer

#### Technical Specifications

Colour	: Transparent
Chemical Structure	: Silane Based
Solvent	: Toluene
Density	: 0,87+-0,05 gr/cm <sup>3</sup>
Waiting Time Between Coats	: 12 Hours
Ground Application Temperature	: +5 oC,+30 °C
Waiting Period for Top Coat (minimum)	: 15 min. (at 23 °C)
Waiting Period for Top Coat (maximum)	: 24 hours (at 23 °C)
The Period to Walk on The Surface	: 16-24 hours (at 23 °C)

Technical information correspond to the data, which were obtained at 20 °C (±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Recemier 015 is a single component, silane based surface coating primer with very high UV resistance, which is developed for all kinds of polymer materials, finishing coats, joint sealants and surface coating materials against water and flows from positive direction.

#### Areas of Use

- Indoors and outdoors
- On horizontal and vertical surfaces
- The product is suitable for using on surfaces like metal, ceramic, concrete, wood, fiberglass etc.

#### Advantages

- The product is silane based and single component.
- The product is ready to use and easy to apply. -
- The product is a perfect surface conditioner for final coating on metal, ceramic, concrete, wood, fiberglass etc. surfaces.
- Contrary to polyurethane and epoxy lining materials, it doesn't form a film layer on the surface.
- It improves adhesion chemically.
- It is ideal for fresh-cut joints.
- Short application time allows working fast.
- It doesn't leave a mark when applied outside the Joint/Application area.

#### Surface Preparation

Concrete surfaces must be dry and free of loose materials, contaminations like oil, grease and paint. Dirty particles stuck on the surface must be removed by means of sanding or grinding. They must be removed with chemical substances capable of solving the dirty particles that penetrate through the concrete, and cleaned with detergent water.

#### Preparation Instructions

2.5 kg liquid YEYKİM Euromier 015 is a ready-to-use material. You mustn't add any additive and/or chemical substances to the ready-to-use material. Surplus product is kept in its own packaging by closing its cover tightly. Before the application, the product must be mixed by means of a low speed mixer or drilller until it achieves a homogeneous structure.

#### Instructions for Use

Ready-to-use RECESS Recemier 015 is applied on the surface directly by means of roll or brush. It is applied on the whole surface uniformly and thoroughly.

When it is used for joints, the product must be applied without attaching a backing rod. Otherwise, the product may damage the backing rod, since it contains high amounts of solvent. There fore, sufficient ventilation must be provided during application.

Avoid applying the product under rainy or possibly rainy weather conditions.

#### Consumption

100-200 gr/m<sup>2</sup> on single coat

It depends on the texture of surface and application conditions.

#### Packaging

2.5 kg tin can

RCS 001

Bitumen Based Eco Primer

### Technical Specifications

Content	:Bitumen
Appearance	:Black colored emulsion
Liquid Density	: ~ 0,98 kg/l
Application Temperature	:Between +5°C and +35 °C
Solid Content	:18 %
Ph	:9
Viscosity	:Concentrated Syrup
Application Temperature	:+5 °C to +35 C
Softening Temperature	:+70°C
Drying Time: Touch Dry	:1 hour
Complete Drying	:5-6 hours
Test	:8 days

Application instructions and technical data provided for the products are obtained in line with our experience and the tests are implemented according to international standards, under ambient temperatures of 23±2°C and ambient relative humidity conditions of 50%±5. Higher temperatures decrease while lower temperatures increase these durations.



### Description:

It is used as a primer prior to the applications of any type of bitumen based products. Economic liquid primer. After the evaporation of the water in its content, it increases the adherence of the surface where it is applied.

#### Areas of Use

Indoor and outdoor,  
On horizontal and vertical surfaces,  
As a primer prior to the application of any type of bitumen based membrane or bitumen based liquid cold applied water insulation material.

#### Advantages

Very economical.  
Provides better adherence of bitumen materials to the surface thanks to its high adhesion properties.  
Makes the adhesion of the bitumen based coating firmer and pinhole-free.  
Ensures a firm adherence even if the surface is damp.  
Is ready-to-use and easy-to-apply.  
It is environment friendly as it is water based.  
Safe to use indoor since it does not contain flammable and poisonous materials.  
Cold applied, does not require heating or thinning.

#### Surface Preparation

Attention must be given that the application surface is cured.  
The surface must be clear of materials which prevent bonding, such as dust, oil, tar, bitumen, paint, silicone, curing agents, detergents and mold release oils.  
Weak parts of the concrete must be repaired, plasterings which are not adhered firmly must be removed, the surface must be uniform and well established and the static cracks must be repaired with RECESS LATEX mixed plaster or REPAIR GROUT High Strength Shrinkage Compensated Grout Mortar. The dynamic (moving) cracks must be repaired with FIXA's appropriate MS, Hybrid or Polyurethane Sealants. The holes with water leakage must be plugged with Water Retainer..

The surface must be saturated with water and must be kept damp during the application.  
Perpendicular corners must be beveled appropriately.

#### Application Information

The product is ready-to-use and applied cold. It must be stirred until it is homogenous and applied to the surface with a bitumen brush, roll or spraying machine.  
Dries in approximately 5-6 hours depending on the weather conditions.  
Should not be applied in rainy weather and in temperatures below 5°C.  
RCS 001 is not suitable for potable water tanks, swimming pools insulation.  
Avoid application on frozen areas, on areas under risk of freezing in 24 hours or on areas open to direct sunlight or wind.

#### Consumption

250 g/m<sup>2</sup> on each layer.  
It depends on the absorbency of the surface.

#### Packaging

17 kg tin cans

#### Shelf Life

Unopened packages can be stored for 12 months. Stir well before use. Protect it against frost.



## RCS 002 Bitumen Based Primer

### Technical Specifications

Content	:Bitumen
Appearance	:Black colored emulsion
Liquid Density	:~1,02 kg/l
Application Temperature	:Between +5°C and +35 °C
Solid Content	:%52
Ph	:11
Application Temperature	:+5 °C to +35 C
Softening Temperature	:+62°C /+70°C
Drying Time: Touch Dry	:1 hour
Complete Drying	:5-6 hours
Mechanical Strength	:8 days

Application instructions and technical data provided for the products are obtained in line with our experience and the tests are implemented according to international standards, under ambient temperatures of 23±2°C and ambient relative humidity conditions of 50%±5. Higher temperatures decrease while lower temperatures increase these durations



### Description:

RCS 002 Can be used as a primer before applications of all kinds of bitumen materials. Mixing water and bitumen by using special methods.

### Areas of Use

Indoor and outdoor,  
Horizontal and vertical surfaces,  
As a primer before application of all kinds of membranes with bitumen,  
To bond membranes to the surface stronger and void free,  
Isolating leakages in ground floor, cellar, lower floors such as basement, wet areas such as bathroom, kitchen,  
As a primer in bonding parquetry.

### Advantages

Attention must be given that the application surface is cured.  
The application surface must be clear of materials that prevent bonding, such as dust, oil, paint, detergents, curing agents, mold release oils and silicone.  
Weak parts of the concrete must be removed, iron and wooden wedges must be demounted, active water leakages and cracks must be repaired.  
Sections that tend to crack such as sharp edges and horizontal/vertical joints must be rounded by beveling.

### Surface Preparation

Applied cold.  
The diluted product is applied with a bitumen brush, roller or a spraying machine.  
Dries in 4 - 5 hours depending on the weather conditions. Second layer must be applied after the previous coat gets dry.  
It is recommended to use with reinforcements such as fiberglass, geotextile felt, and isolation cloth on cracked surfaces or that are required to withstand to higher water pressure.

### Application Information

The product is ready-to-use and applied cold. It must be stirred until it is homogenous and applied to the surface with a bitumen brush, roll or spraying machine.  
Dries in approximately 5-6 hours depending on the weather conditions.  
Should not be applied in rainy weather and in temperatures below 5°C.  
RCS 002 is not suitable for potable water tanks, swimming pools insulation.  
Avoid application on frozen areas, on areas under risk of freezing in 24 hours or on areas open to direct sunlight or wind.

### Consumption

400 g/m<sup>2</sup> on each coat.  
It depends on the absorbency of the surface.

### Packaging

17 kg tin cans

### Shelf Life

Unopened packages can be stored for 12 months. Stir well before use. Protect it against frost.

#### Technical Specifications

Content	: Solvent / Bitumen
Appearance	: Black colored solution
Form	: Viscous liquid
Liquid Density	: 0.92- 0.98 g/cm <sup>3</sup>
Application Temperature	: Between +5°C and +35 °C
Solid content	: 60%
Drying period	: It starts drying 20 minutes after application and is completely dry 24 hours later.
Touch dry	: 20 minutes Initial drying, 2 hours Final drying, 24 hours Test, .2 days

Application instructions and technical data provided for the products are obtained in line with our experience and the tests are implemented according to international standards, under ambient temperatures of 23±2°C and ambient relative humidity conditions of 50%±5. Higher temperatures decrease while lower temperatures increase these durations.



#### Description

RCS 003 is a bitumen-solution based, single component, cold applied water proofing material. It bonds on the surface strongly after the vaporization of the solvent, and generates an elastic and resistant layer to water and moisture. Has about 1000% elasticity.

#### Areas of Use

It is used for preventing moisture on the floors and walls of foundations and basements.

When applied on side surfaces of buildings, it repels water and humidity, thus preventing any swelling, deformation of paint and formation of mould on the internal surfaces.

It is used as primer before bituminous coatings in basement and roof isolations.

It forms a waterproof layer when used with fiber glass, netting and bituminous cardboard.

It prevents decaying on vehicles when applied on metal surfaces in contact with water.

It prevents corrosion when used on metal surfaces under or above the ground.

#### Advantages

It strongly adheres to the surface where it is applied on (concrete, plaster, metal, etc.).

Very elastic.

Economical, ready to use.

Bonds perfectly on all types of surfaces.

Provides seamless and jointless water insulation.

Resistant to positive water pressure.

Permanently elastic, fills capillary cracks.

Cold applied, dries quickly.

#### Surface Preparation

The application surface should be free of dust, dirt, rust and oil. Loose parts scraped. Pointed tips and sharp corners should be rounded. that are required to withstand to higher water pressure.

The application surface must be clear of materials that prevent bonding, such as dust, oil, paint, curing agents, detergents, mold release oils and silicone.

Weak parts of the concrete must be removed, iron and wooden wedges must be demounted, active water leakages and cracks must be repaired.

Sections that tend to crack such as sharp edges and horizontal/vertical joints must be rounded by beveling.

For a better bonding of RCS 003 on the surface, RCS 002 Bitumen Based Primer and Water Isolation Material is applied on the surface as a single coat prior, to the application. The primer must be dry before the application.

#### Application Information

The surface of application should be cleaned from dust, oil, construction waste and dirt and it should be dry. It is either applied directly or applied on surfaces with a brush after mixing with gas or thinner, when required. If application is to be made indoors, care should be taken to ensure sufficient ventilation. Its drying period is minimum 24 hours, although depending on the climatic conditions. Avoid application on frozen areas, on areas under risk of freezing in 24 hours or on areas open to direct sunlight or wind.

If it has to be stored outdoors for a long time, it should be covered to protect from sunlight.

#### Consumption

Averagely 400 g/m<sup>2</sup>, depending on the porosity of the surface of application.

It depends on the absorbency of the surface.

#### Packaging

17 kg tin cans

#### Shelf Life

RCS 003 should be stored at covered places (between 0 - 30 oC) and in a vertical position. If it has to be stored outdoors for a long time, it should be covered to protect from sunlight.

Its shelf life is 12 months when stored in its original package unopened, in a dry and cool place.

## RCS ECO Rubber Liquid Membran

### Technical Specifications

Content	: Black colored elastomeric polymer resin supported emulsion
Appearance	: Dark brown
Liquid Density	: ~1,03 kg/lt
Ph	: 10-11
Application Temperature	: Between +5°C and +35 °C
Solid content	: 55%
Softening Temperature	: +70°C
Touch Dry	: 1 hour
Full Curing	: 5-6 hours
Mechanical Strength	: 8 days

Application instructions and technical data provided for the products are obtained in line with our experience and the tests we implemented according to international standards under ambient temperatures of 23±2°C and ambient relative humidity conditions of 50%±5. Higher temperatures decrease the times and lower temperatures increase them.



### Description:

RCS ECO is cold applied, non-flammable, single component, corrosion-resistant, water based bituminous waterproofing material

### Areas of Use

Dampproofing exterior below-grade foundations and walls,  
As water isolation material in dry or slightly moist details such as terrace, kitchen, bathroom, etc.,  
As primer under bituminous coatings,  
As primer material and binder in fiber glass, canvas, etc. applications,  
As an additive improving tightness and adherence in the mortars and plasters formed by cement and/or fine sand,  
-In order to prevent flexion of construction templates due to water and as template separator

### Advantages

As it does not contain solvent, it is environment friendly and can be easily used indoors.  
It can be applied on dry and damp surfaces.  
After drying, it forms a water and moisture proof layer on the surface of application.  
It is used as insulating coating, as an additive improving tightness and adherence in cement based mortars and as primer under bituminous coatings after diluting with water.

### Surface Preparation

The application surface has to be cured.  
The application surface must be clear of materials that prevent bonding, such as dust, oil, paint, curing agents, detergents, mold release oils and silicone.  
Weak parts of the concrete must be removed, iron and wooden wedges must be demounted, active water leakages and cracks must be repaired.  
Sections that tend to crack such as sharp edges and horizontal/vertical joints must be rounded by beveling.

For a better bonding of RCS ECO on the surface, RCS 002 Bitumen Based Primer and Water Isolation Material is applied on the surface as a single coat, prior to the application. The primer must be dry before the application.

### Application Information

Applied cold.  
The material is mixed with a mixer at low speed and is applied on the surface with a bitumen brush, trowel or a spraying machine, in two coats.  
Dries in 4 - 5 hours depending on the weather conditions. Second layer must be applied after the previous coat gets dry.  
Reinforce it with supporters such as felt, mesh against water pressure.  
It must be protected against damages until it is covered.

### Consumption

Approximately 400 g/m<sup>2</sup>, depending on the smoothness of the surface of application.  
When used as primer, averagely 800 g/m<sup>2</sup>, depending on the smoothness of the surface.  
It depends on the absorbency of the surface.

### Packaging

17 kg (net) plastic packages

### Shelf Life

Unopened packages can be stored for 12 months. Stir well before use. Protect it against frost.

### RCS 1K Polymer Modified Bitumen Rubber

#### Technical Specifications

Colour	: Black
Appearance	: Liquid
Density	: 1.08 kg/Lt
Mixing Time	: 2-4 minutes
Working Time	: 30-45 minutes
Drying Time	: 24-48 Hours
Application Temperature	: +5 oC,+30 oC
Elongation at break	: ≤ 900%
Radon Gas Impermeability	: Impermeable

Technical information correspond to the data, which were obtained at 20 oC(±2 oC) temperature and 50+5% relative humidity.



#### Description:

RECESS Naturel is a bitumen based, elastic, ready-to-use, solvent-free waterproofing material which provides waterproofing by forming layers on the surface and can be used on underground and above-ground surfaces.

#### Areas of Use

Indoors and outdoors  
 Foundation, curtain, basement, retaining walls  
 For waterproofing concrete stream, irrigation channels etc.  
 For waterproofing wet areas such as terrace, balcony etc.  
 For waterproofing areas above gardens, terraces, parking lots.  
 Different surfaces such as plastered brick wall, concrete, screed etc.  
 For protecting and insulating the structures and construction elements, which contact with leaking and underground waters.  
 For preventing humidity on protective layers under metal, wood, OSB etc. ground floors.

#### Advantages

Since it is a one-component material, it is ready-to-use and can be applied easily.  
 It can be applied with brush or spraying equipment.  
 The product can be applied on horizontal and vertical surfaces.  
 The product is water vapour permeable.  
 Saves energy and time.  
 The product is resistant to severe weather conditions.  
 It is resistant to positive water pressure.  
 It is resistant to mechanical impacts.  
 It protects concrete and reinforcement elements from the corrosive effects of water.

#### Surface Preparation

You must ensure that the surface achieved the required strength. Newly poured concrete must complete its 28 days curing process. The surface must be free of layers like oil, grease, dirt, paint, rust, salt efflorescence, which may present surface adhesion. Textures like cracks, plasters, which may be separated from the surface easily, are removed. The efficiency can be improved by means of surface etching with water jet and mechanical abrasion tool. Pores and holes must be cleaned with high pressure air. Application surfaces must be free of pits, segregation, etc., such defects must be corrected with RECESS Structural Repair Mortar. Application surface can be dry or slightly humid.

#### Preparation Instructions

Required amount of RECESS 1K can be mixed in a clean container,

which is free of all substances that may prevent adhesion to surface, or in its own container. The product is mixed by means of a low speed mixer or drill in order to prevent agglomeration. Mixing process must be 2-4 minutes. Surplus product is kept in its own packaging by closing its cover tightly.

#### Instructions for Use

Priming agent must first be applied on the surface. For priming application, RECESS 1K must be diluted with water. For this purpose, 10kg water must be added to 1kg material and mixed. Obtained fluid must be applied on the surface with stiff-bristled brush or spraying equipment. Waiting period after priming process is 5-6 hours. Avoid adding water to material in primary insulation applications. The material, which is mixed by means of a low speed mixer or drill, must be applied on the surface with stiff-bristled brush or spraying equipment. After the first coat application, RECESS Glass-fiber Mesh must be spread before the surface is completely dry. After the waiting time between coats, second coat must be applied in a way that it covers the mesh completely. Direction of each coat must be opposite and vertical to the direction of previous application. Application must be at least 2 coats on the primer. 2 coats of product can be applied on the primer for areas with pressurized water. During the application, the product must be mixed at certain intervals in order to prevent crustation.

#### Cleaning of Tools

Tools can be cleaned with thinner immediately after the application and before hardening process starts. They must be cleaned with mechanical methods after the product hardens.

#### Consumption

0,1- 0,2 kg /m<sup>2</sup> as priming agent  
 1-3 kg/m<sup>2</sup> on each coat, when used as an insulation material

#### Packaging

18 kg tin

RCS 1PS  
Polymer Modified Bitumen Rubber

Technical Specifications

Colour	: Black
Appearance	: Liquid
Density	: 1.08 kg/lt
Mixing Time	: 2-4 minutes
Working Time	: 30-45 minutes
Drying Time	: 24-48 Hours
Application Temperature	: +5 oC,+30 oC
Elongation at break	: ≤ 900%
Radon Gas Impermeability	: Impermeable

Technical information correspond to the data, which were obtained at 20 oC(±2 oC) temperature and 50+5% relative humidity.



Description:

RCS 1PS is a bitumen based, elastic,ready-to-use, waterproofing material which contains solvent, provides waterproofing by forming layers on the surface and can be used on underground and above-ground surfaces

Areas of Use

Indoors and outdoors  
Foundation, curtain, basement, retaining walls  
For waterproofing concrete stream, irrigation channels etc.  
For waterproofing wet areas such as terrace, balcony etc.  
For waterproofing areas above gardens, terraces, parking lots.  
Different surfaces such as plastered brick wall, concrete, screed etc.  
For proecting and insulating the structures and construction elements, which contact with leaking and underground waters.  
For preventing humidity on protective layers under metal, wood, OSB etc. ground floors.

Advantages

Since it is a one-component material, it is ready-to-use and can be applied easily.  
It can be applied with brush or spraying equipment.  
The product can be applied on horizontal and vertical surfaces.  
The product is water vapour permeable.  
Saves energy and time.  
The product is resistant to severe weather conditions.  
It is resistant to positive water pressure.  
It is resistant to mechanical impacts.  
It protects concrete and reinforcement elements from the corosive effects of water.

Surface Preparation

You must ensure that the surface achieved the required strength. Newly poured concrete must complete its 28 days curing process. The surface must be free of layers like oil, grease, dirt, paint, rust, salt efflorescence, which may present surface adhesion. Textures like cracks, plasters, which may be separated from the surface easily, are removed The efficiency can be improved by means of surface etching with water jet and mechanical abrasion tool. Pores and holes must be cleaned with high pressure air. Application surfaces must be free of pits, segregation, etc., such defects must be corrected with RECESS Structural Repair Mortar. Application surface can be dry or slightly humid.

Preparation Instructions

Required amount of RCS 1PS can be mixed in a clean container,

which is free of all substances that may prevent adhesion to surface, or in its own container.  
The product is mixed by means of a low speed mixer or driller in order to prevent agglomeration.  
Mixing process must be 2-4 minutes.  
Surplus product is kept in its own packaging by closing its cover tightly.

Instructions for Use

Priming agent must first be applied on the surface. For priming application, RECESS 1PS must be diluted with water. For this purpose, 10kg water must be added to 1kg material and mixed. Obtained fluid must be applied on the surface with stiff-bristled brush or spraying equipment. Waiting period after priming process is 5-6 hours. Avoid adding water to material in primary insulation applications. The material, which is mixed by means of a low speed mixer or drill, must be applied on the surface with stiff-bristled brush or spraying equipment. After the first coat application, RECESS Glass-fiber Mesh must be spread before the surface is completely dry. After the waiting time between coats, second coat must be applied in a way that it covers the mesh completely. Direction of each coat must be opposite and vertical to the direction of previous application. Application must be at least 2 coats on the primer. 2 coats of product can be applied on the primer for areas with pressurized water. During the application, the product must be mixed at certain intervals in order to prevent crustation.

Cleaning of Tools

Tools can be cleaned with thinner immediately after the application and before hardening process starts. They must be cleaned with mechanical methods after the product hardens.

Consumption

0,1- 0,2 kg /m2 as priming agent  
1-3 kg/m2 on each coat, when used as an insulation material

Packaging

17 kg tin

#### Technical Specifications

Colour	: Black
Appearance	: Fine Powder and Liquid
Density	: 1.15 kg/lt
Mixing Time	: 2-4 minutes
Operating time	: 30-45 minutes
Drying Time	: 24-48 Hours
Application Temperature	: +5 oC,+30 oC
Rate of solid substance (after drying)	: 78%
Water Impermeability	: 5 Bar
Elongation at break	: 100%
Radon Gas Impermeability	: Impermeable
Dry Residue Rate	: 84% (approximately in volume)

Technical information correspond to the data, which were obtained at 20 oC(±2 oC) temperature and 50+5% relative humidity.



#### Description:

RCS 2K is a bitumen, rubber, acrylic, cement based, two component, quick setting, solvent-free waterproofing material with high adherence and elasticity, which is used on underground and aboveground surfaces to provide waterproofing by forming a layer on the surface and capable of bridging cracks up to 3mm thickness.

#### Areas of Use

Indoors and outdoors  
 Foundation, curtain, basement, retaining walls  
 For waterproofing concrete stream, irrigation channels etc.  
 For waterproofing wet areas such as terrace, balcony etc.  
 For waterproofing areas above gardens, terraces, parking lots.  
 Different surfaces such as plastered brick wall, concrete, screed etc.  
 For protecting and insulating the structures and construction elements, which contact with leaking and underground waters.  
 For preventing humidity on protective layers under metal, wood, OSB etc. ground floors.

#### Advantages

It is easy to prepare and apply.  
 It can be applied with brush or spraying equipment.  
 The product can be applied on horizontal and vertical surfaces.  
 The product is water vapour permeable.  
 Saves energy and time.  
 The product is resistant to severe weather conditions.  
 It is resistant to positive water pressure.  
 It is resistant to mechanical impacts.  
 It protects concrete and reinforcement elements from the corrosive effects of water.

#### Surface Preparation

You must ensure that the surface achieved the required strength. Newly poured concrete must complete its 28 days curing process. The surface must be free of layers like oil, grease, dirt, paint, rust, salt efflorescence, which may present surface adhesion. Textures like cracks, plasters, which may be separated from the surface easily, are removed. The efficiency can be improved by means of surface etching with water jet and mechanical abrasion tool. Pores and holes must be cleaned with high pressure air. Application surfaces must be free of pits, segregation, etc., such defects must be corrected with RECESS Structural Repair Mortar. Application surface can be dry or slightly humid.

#### Preparation Instructions

18kg liquid bitumen and 8kg powder component are mixed with each other.

The product is mixed by means of a low speed mixer or drill in order to prevent agglomeration. Mixing process must be 2-4 minutes. Surplus product is kept in its own packaging by closing its cover tightly.

#### Instructions for Use

Priming agent must first be applied on the surface. For priming application, RCS 2K's 18kg liquid bitumen component must be diluted with water. For this purpose, 10kg water must be added to 1kg material and mixed. Obtained fluid must be applied on the surface with stiff-bristled brush or spraying equipment. Waiting period after priming process is 5-6 hours. In actual insulation applications, powder component must be added into liquid bitumen component without adding water. The material, which is mixed by means of a low speed mixer or drill, must be applied on the surface with stiff-bristled brush or spraying equipment. After the first coat application, RECESS Glass-fiber Mesh must be spread before the surface is completely dry. After the waiting time between coats, second coat must be applied in a way that it covers the mesh completely. Direction of each coat must be opposite and vertical to the direction of previous application. Application must be at least 2 coats on the primer. 2 coats of product can be applied on the primer for areas with pressurized water. During the application, the product must be mixed at certain intervals in order to prevent crustation.

#### Cleaning of Tools

Tools can be cleaned with thinner immediately after the application and before hardening process starts. They must be cleaned with mechanical methods after the product hardens.

#### Consumption

0,1- 0,2 kg /m<sup>2</sup> as priming agent  
 3 kg/m<sup>2</sup> against base humidity  
 4 kg/m<sup>2</sup> in non-pressure areas  
 6 kg/m<sup>2</sup> in pressure areas

#### Packaging

24 kg set  
 18kg tin can + 6kg kraft bag

## RCS 2K D Bitumen Rubber Acrylic Cement Based

### Technical Specifications:

Colour	: Black
Appearance	: Fine Powder and Liquid
Density	: 1.17 kg/lt
Mixing Time	: 2 - 4 minutes
Working Time	: 30 - 45 minutes
Drying Time	: 24 - 48 hours
Application Temperature	: +5 oC,+30 oC
Water Impermeability	: 6 - 8 Bar
Rate of solid substance (after drying)	: 82%
Elongation at break	: 100%
Radon Gas Impermeability	: Impermeable

Technical information correspond to the data, which were obtained at 20 oC(±2 oC) temperature and 50+5% relative humidity.



### Description:

RCS 2K D is a bitumen, rubber, acrylic, cement based, two component, quick setting, solvent-free waterproofing material with high adherence and elasticity, which is used on underground and aboveground surfaces to provide waterproofing by forming a layer on the surface and capable of bridging cracks up to 5 mm thickness.

### Areas of Use

Indoors and outdoors  
Foundation, curtain, basement, retaining walls  
For waterproofing concrete stream, irrigation channels etc.  
For waterproofing wet areas such as terrace, balcony etc.  
For waterproofing areas above gardens, terraces, parking lots.  
Different surfaces such as plastered brick wall, concrete, screed etc.  
For proecting and insulating the structures and construction elements, which contact with leaking and underground waters.  
For preventing humidity on protective layers under metal, wood, OSB etc. ground floors.

### Advantages

It is easy to prepare and apply.  
It can be applied with brush or spraying equipment.  
The product can be applied on horizontal and vertical surfaces.  
The product is water vapour permeable.  
Saves energy and time.  
The product is resistant to severe weather conditions.  
It is resistant to positive water pressure.  
It is resistant to mechanical impacts.  
It protects concrete and reinforcement elements from the corrosive effects of water.

### Surface Preparation

You must ensure that the surface achieved the required strength.  
Newly poured concrete must complete its 28 days curing process.  
The surface must be free of layers like oil, grease, dirt, paint, rust, salt efflorescence, which may present surface adhesion.  
Textures like cracks, plasters, which may be separated from the surface easily, are removed The efficiency can be improved by means of surface etching with water jet and mechanical abrasion tool.  
Pores and holes must be cleaned with high pressure air. Application surfaces must be free of pits, segregation, etc., such defects must be corrected with RECESS Structural Repair Mortar. Application surface can be dry or slightly humid.

### Preparation Instructions

24 kg liquid bitumen and 8kg powder component are mixed with each other.

The product is mixed by means of a low speed mixer or driller in order to prevent agglomeration.  
Mixing process must be 2-4 minutes. Surplus product is kept in its own packaging by closing its cover tightly.

### Instructions for Use

Priming agent must first be applied on the surface. For priming application, RCS 2K D's 24 kg liquid bitumen component must be diluted with water. For this purpose, 10kg water must be added to 1kg material and mixed. Obtained fluid must be applied on the surface with stiff-bristled brush or spraying equipment. Waiting period after priming process is 5-6 hours.  
In actual insulation applications, powder component must be added into liquid bitumen component without adding water. The material, which is mixed by means of a low speed mixer or drill, must be applied on the surface with stiff-bristled brush or spraying equipment. After the first coat application, RECESS Glass-fiber Mesh must be spread before the surface is completely dry.  
After the waiting time between coats, second coat must be applied in a way that it covers the mesh completely. Direction of each coat must be opposite and vertical to the direction of previous application. Application must be at least 2 coats on the primer. 2 coats of product can be applied on the primer for areas with pressurized water. You must wait 5-6 hours between each coat application. During the application, the product must be mixed at certain intervals in order to prevent crustation.

### Cleaning of Tools

Tools can be cleaned with thinner immediately after the application and before hardening process starts. They must be cleaned with mechanical methods after the product hardens.

### Consumption

0,1- 0,2 kg /m2 as priming agent  
3 kg/m2 against base humidity  
4 kg/m2 in non-pressure areas  
6 kg/m2 in pressure areas

### Packaging

32 kg set  
24 kg plastic bucket + 8 kg kraft bag







## REPAIR INSTALLATION AND ANCHORING PRODUCTS



## RECEKRAJ 145 Epoxy Anchorage Installation Material



### Technical Specifications:

Colour	: Grey
Appearance	: Putty
Content	: Epoxy based
Compressive Strength	: 75 N/mm <sup>2</sup> TSE EN 196 (7 days)
Bending Strength	: 25 N/mm <sup>2</sup> TSE EN 196 (7 days)
Working Time	: 30-45 minutes
Application Temperature	: +5 °C, +30 °C
Application Thickness	: Between 2 mm – 30 mm
Water resistance	: Very Good
Heat Resistance	: After final drying -15, +85 °C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description:

RECESS Recekraj 145 is a two-component, solvent-free, epoxy resin based, multi-purpose epoxy repair, anchorage and installation mortar.

### Areas of Use

- For iron stone assembly on concrete
- For repairing and insulating cracks
- For the installation and adhesion of all kinds of metal and steel components on concrete and steel construction elements
- For fastening packers
- For fastening guard rails and earthquake dampers.

### Advantages

- It provides perfect adherence to concrete and steel.
- It achieves mechanical resistance quickly.
- The product is resistant to chemicals.
- It is water and gas impermeable.
- Solvent-free.
- The product has a putty consistence and can be easily applied.
- It doesn't sag in ceiling applications.

### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. Surfaces must be clean and free of free particles.

For steel surface applications, the surface must be free of corrosion. The corrosion on the equipment must be cleaned, or where required, replaced with a new component. If there is accumulated water on the surface, the water must be drained and the leakage must be sealed with a suitable plug.

Tensile strength of the concrete surface must be at least 1,5 N/mm<sup>2</sup>. Compressive strength must be at least 25 N/mm<sup>2</sup>. On damp floors, humidity rate mustn't exceed 5%.

### Preparation Instructions

RECESS Recekraj 145 is available in ready-to-use sets according to mixture ratio.

Whole amount of component B must be poured into component A, and mixed with a mixer with approximately 300 rpm mixer and a suitable mixing tip.

Make sure that no material is left in component B. A homogeneous mixture must be obtained by mixing components for at least 3 minutes.

### Instructions for Use

RECESS Recekraj 145 mixture, which is made ready for use, must be applied on the surface with a spatula or trowel. Application thickness must be minimum 2mm, maximum 30mm.

For anchorage manufacturing, holes with suitable depth must be opened with a drilling bit, which is at least 6mm larger than fitting end. Drilled holes must be cleaned with wire brush and compressed air. Prepared material must be filled into a suitable mortar gun. Mortar gun's nozzle must be pulled from the bottom of the hole towards outside, and anchor hole must be filled with sufficient amount of RECESS Recekraj 145. Anchor rods with required sizes and diameters, must be placed inside the hole by turning.

After the application, tools must be used with epoxy thinner.

### Consumption

1,7 kg/m<sup>2</sup> (for 1mm thickness)

### Packaging

Component A + B = 5 kg set

Component A, 3,75 kg tin can

Component B, 1,25 kg tin can

### REPOKRAJ EP Epoxy Adhesive and Filling Material

#### Technical Specifications:

Chemical Structure	: Epoxy based
Density	: 1,05 g/cm <sup>3</sup> (at 23°C)
Compressive Strength	: 50 N/mm <sup>2</sup>
Bending Strength	: 20 N/mm <sup>2</sup>
Working Time	: 30-45 minutes
Full hardening	: 7 days
Application Temperature	: +5 °C, +30 °C

Technical information correspond to the data, which were obtained at 20 oC(±2 oC) temperature and 50+5% relative humidity.



#### Description

RECESS Repokraj EP is a two-component, solvent-free, epoxy resin based, multi-purpose adhesive and filling material.

#### Areas of Use

- Indoors and outdoors
- For dilatation band assembly
- For bonding floor and wall ceramics, tiles, granites and marbles.
- For crack repairs
- For iron stone assembly
- Bonding several different materials such as concrete, metal, wood, rock etc.

#### Advantages

- It is easy to prepare and apply.
- Its abrasive resistance is high.
- The product's chemical resistance is quite high.
- The product has superior involvement properties.
- It doesn't flow or sag due to its thixotropic structure.
- Solvent-free.
- The product's adhesive power is very high.

#### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion.

Surfaces must be clean and free of free particles. Where required, the surface must be roughened by means of mechanical methods.

Application surface must be dry or slightly humid. Defects, fractures and cracks on the application surface must be filled and repaired with RECESS structural repair mortar.

#### Preparation Instructions

Epoxy resin based RECESS Repokraj EP is a two-component product.

Before applying the product, A component (resin) and B component (hardener) are mixed with each other with a low speed mixer or drill until a homogeneous mixture is achieved

#### Instructions for Use

**For Dilatation Band Assembly;** RECESS Repokraj EP must be applied on both sides of dilatation as a strip with 1.5mm thickness and 40mm width by means of a trowel or spatula. RECESS Dilatation Band must be attached on the applied material and RECESS Repokraj EP must be applied on the upper side of the strip. You must wait until adhesive dries completely.

**For bonding operations;** RECESS Repokraj EP mixture must be applied on the surface by means of notched trowel. If required, RECESS Repokraj EP can also be applied on the back surface of the material. Materials to be bonded must be assembled on the surface by sliding softly. Bonded parts must not be moved until they are completely dry.

After the application, tools must be used with epoxy thinner.

#### Consumption

Approximately 2kg / mtul for dilatation band assembly

For bonding operations, approximately 1,7 kg / m<sup>2</sup> for 1mm thickness.

#### Packaging

A+B components set = 5 kg

A Component (Resin): Grey – 4,60 kg plastic bucket

B Component (Hardening Agent): Light yellow liquid – 0,40 kg plastic bucket

## RECIX NULL Coving Paste (White)



### Technical Specifications:

Quality Standards Compliance	: R1 Class
Colour	: White
Appearance	: Fine Powder
Density	: 1,19 Kg/lt
Water Mixture Rate	: 9- 10 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 30 minutes
Waiting Time Between Coats	: Minimum 3 Hours
Ground Application Temperature	: +5 °C, +30 °C
Application Thickness	: Between 0,5-3 mm
Splice strength	: 1.50 N/mm <sup>2</sup>
Bending Strength	: 3 N/mm <sup>2</sup> (28 Days)
Compressive Strength	: 10 N/mm <sup>2</sup> (28 Days)

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description:

RECESS Recix Null is a white cement based, polymer modified repair and coving paste, which has been developed for repairing areas which require fine correcting works on walls, ready-mixed concrete plasters, exposed concrete surfaces.

### Areas of Use•

- All structures of indoor and outdoor spaces
- Areas where smooth and flawless surface is required
- Exposed concrete and cement-based plasters
- Walls and ceilings, concrete columns
- Aesthetic repair works on concrete structures
- To form a smooth surface before epoxy painting at industrial facilities

### Advantages

- It has water vapour permeability
- It is easy to prepare and apply.
- Resistant to thermal shocks.
- Its adherence performance and strength is very high.
- A smooth surface is obtained.
- The surface can be painted 72 hours after the application.

### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion.

Loose and damaged concretes on the surface must be cleaned by means of chiselling and levelling tools in order to obtain a smooth surface.

It is recommended to first apply RECESS Primer T copolymer priming agent on the application surface. If priming application is not preferred, the surface must be moistened without leaving any water on the surface.

For surfaces, which are subject to priming application, make sure that 5-10 minutes pass until required adherence is achieved.

### Preparation Instructions

25kg powder RECESS Recix Null YP must be added to 9-10 clean water in a clean container, and mixed by means of a low speed mixer or driller in order to achieve homogeneity and prevent agglomeration.

This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 30 minutes.

You mustn't add any chemical substances to the ready-to-use material.

### Instructions for Use

RECESS Recix Null mortar, which is made ready for use, must be applied on the surface by means of a steel trowel uniformly and in equal thickness.

You can make corrections on the surface by means of steel trowel when drying process begins.

### Consumption

1- 2 Kg/m<sup>2</sup> total for 1mm thickness

### Packaging

25 Kg Kraft sack

### RECIX 1 Anticorrosive Adherence Increasing Mortar

#### Technical Specifications:

Quality Standards Compliance	: R1 Class
Colour	: Grey
Appearance	: Fine Powder
Density	: 1,25 kg/lt.
Water Mixture Rate	: 4.25 – 4.75 For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 30 minutes
Waiting Time Between Coats	: 3 Hours
Ground Application Temperature	: +5 oC, +30 °C
Application Thickness	: 3 mm.
Splice strength	: 2.30 N/mm <sup>2</sup>
Bending Strength	: 8 N/mm <sup>2</sup>
Compressive Strength	: 65 N/mm <sup>2</sup>

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description

RECESS Recix 1 is a cement based, single-component, polymer added repair mortar, which contains corrosion anticatalyst and silica fume, developed for protecting equipment against corrosion and increasing adherence of repair systems.

#### Areas of Use

- All structures of indoor and outdoor spaces
- For concrete repairs
- For protecting equipment against corrosion
- The product is used as an adherence increasing agent for bonding repair mortar systems on the surface.

#### Advantages

- The product is non-shrink.
- It is ready to prepare and apply.
- It can be applied with brush, roll or spraying method.
- Resistance to water, frost and severe weather conditions.
- Its adherence performance and strength is very high.
- It can be applied on concrete or metal surfaces.
- It is resistant to alkaline salts.
- It doesn't cause cracks, shrinkage, sagging and slumping during application.
- Non-inflammable.

#### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion.

Concrete surfaces must be moistened in advance. Make sure that there is no water accumulation on the surface after moistening process.

Where required, application surface must be cleaned with sandblasting, pressurized water or air injection method.

Corrosion on accessories must be cleaned and the surface must be free of oil, grease, corrosion, burrs and concrete residues.

#### Preparation Instructions

25 kg powder RECESS Recix 1 is added to 4,25-4,75 clean water in a clean container, and mixed by means of a low speed mixer or drill for 3-4 minutes in order to achieve homogeneity and prevent agglomeration.

This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for 1-2 minutes. It is recommended that the mixture in the container is consumed within 30 minutes.

You mustn't add any additive and/or chemical substances to the ready-to-use material.

#### Instructions for Use

RECESS Recix 1 can be applied on the surface, which is saturated to water in advance, by means of brush, roll or spraying equipment. For high adhesion performance, make sure that mortar is applied on with circular movements and by pressing on the surface with brush.

If any of RECESS repair systems will be used after the application, this must be done before RECESS Recix 1 is completely set.

RECESS Recix 1 is applied on the cleaned surface as a corrosion mortar in 1mm thickness and by means of brush, roll or spraying equipment. Second coat is applied in the same thickness after 4-5 hours (for 20°C temperature).

#### Consumption

1- 2 Kg/m<sup>2</sup> total for 1mm thickness

It depends on the depth and roughness of the surface.

#### Packaging

25 Kg Kraft sack

## RECIX 5 Fine Repair Mortar



### Technical Specifications:

Quality Standards Compliance	: R1 Class
Colour	: Grey
Appearance	: Fine Powder
Density	: 1,57 Kg/ltr
Water Mixture Rate	: 6- 7 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 30 minutes
Waiting Time Between Coats	: Minimum 3 Hours
Ground Application Temperature	: +5 °C,+30 °C
Application Thickness	: Between 1-4 mm
Splice strength	: $\geq 1 \text{ N/mm}^2$
Bending Strength	: $\geq 3 \text{ N/mm}^2$ (28 Days)
Compressive Strength	: $\geq 10 \text{ N/mm}^2$ (28 Days)

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description:

RECESS Recix 5 is a glass-fiber reinforced, single component, cement based, polymer modified, practical and easy to apply high performance fine repair mortar, which has been developed for repairing surfaces such as wall, ready-mixed concrete, exposed concretes that require repair works.

### Areas of Use

- All structures of indoor and outdoor spaces
- Exposed concrete and cement-based plasters
- For repair works of impermeable and high strength wall and ceiling concretes
- Aesthetic repair works on concrete structures
- To obtain a smooth lower surface before tiling applications.
- For repair works of edges and corners.
- The product is used on gas concrete, exosed concrete, prefabricated concrete, briquette etc. surfaces of reinforced concrete buildings.

### Advantages

- It is easy to prepare and apply.
- Resistance to water, frost and severe weather conditions.
- Its adherence performance and strength is very high.
- A smooth surface is obtained.
- It doesn't cause cracks, shrinkage, sagging and slumping during application.
- It has water vapour permeability
- Non-inflammable.

### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. Loose and damaged concretes on the surface must be cleaned by means of chiselling and levelling tools in order to obtain a smooth surface. It is recommended to first apply RECESS Primer T copolymer priming agent on the application surface. If priming application is not preferred, the surface must be moistened without leaving any water on the surface. For surfaces, which are subject to priming application, make sure that 5-10 minutes pass until required adherence is achieved.

### Preparation Instructions

25 kg powder RECESS Recix 5 is added to 6-7 clean water in a clean container, and mixed by means of a low speed mixer or drill for 3-4 minutes in order to achieve homogeneity and prevent agglomeration.

This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for 1-2 minutes. It is recommended that the mixture in the container is consumed within 30 minutes.

You mustn't add any additive or chemical substances to the ready-to-use material.

### Instructions for Use

RECESS Recix 5, which is made ready for use, must be applied on the whole surface by means of a steel trowel uniformly and in equal thickness.

You can make corrections on the surface by means of plastic trowel when drying process begins.

If more than one coat will be applied, make sure that 3 hours pass between each coating application. The surface must be moisturized before starting to the next coating application.

The mixture must be mixed at certain intervals to prevent agglomeration.

### Consumption

1,5- 2 Kg/m<sup>2</sup> in total for 1mm thickness (depends on the depth and unevenness of the surface)

### Packaging

25 Kg Kraft sack

### RECIX 5 WHITE Fine Repair Mortar

#### Technical Specifications:

Quality Standards Compliance	: R1 Class
Colour	: White
Appearance	: Fine Powder
Density	: 1,48 Kg/lit
Water Mixture Rate	: 5,5 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 30 minutes
Waiting Time Between Coats	: Minimum 3 Hours
Ground Application Temperature	: +5 °C, +30 °C
Application Thickness	: Between 1-4 mm
Splice strength	: $\geq 1 \text{ N/mm}^2$
Bending Strength	: $\geq 3 \text{ N/mm}^2$ (28 Days)
Compressive Strength	: $\geq 10 \text{ N/mm}^2$ (28 Days)

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description

RECESS Recix 5 White is a glass-fiber reinforced, single component, cement based, polymer modified, practical and easy to apply high performance fine repair mortar, which has been developed for repairing surfaces such as wall, ready-mixed concrete, exposed concretes that require repair works.

#### Areas of Use

- All structures of indoor and outdoor spaces
- Exposed concrete and cement-based plasters
- For repair works of impermeable and high strength wall and ceiling concretes
- Aesthetic repair works on concrete structures
- To obtain a smooth lower surface before tiling applications.
- For repair works of edges and corners.
- The product is used on gas concrete, exposed concrete, prefabricated concrete, briquette etc. surfaces of reinforced concrete buildings.

#### Advantages

- It is easy to prepare and apply.
- Resistant to water, frost and severe weather conditions.
- Its adherence performance and strength is very high.
- A smooth surface is obtained.
- It doesn't cause cracks, shrinkage, sagging and slumping during application.
- It has water vapour permeability
- Non-inflammable.

#### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion.

Loose and damaged concretes on the surface must be cleaned by means of chiselling and levelling tools in order to obtain a smooth surface.

It is recommended to first apply RECESS Primer T copolymer priming agent on the application surface. If priming application is not preferred, the surface must be moistened without leaving any water on the surface.

For surfaces, which are subject to priming application, make sure that 5-10 minutes pass until required adherence is achieved.

#### Preparation Instructions

25 kg powder RECESS Recix 5 White is added to 5,5-6 clean water in a clean container, and mixed by means of a low speed mixer or drill for 3-4 minutes in order to achieve homogeneity and prevent agglomeration.

This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for 1-2 minutes. It is recommended that the mixture in the container is consumed within 30 minutes.

You mustn't add any additive or chemical substances to the ready-to-use material.

#### Instructions for Use

RECESS Recix 5 White, which is made ready for use, must be applied on the whole surface by means of a steel trowel uniformly and in equal thickness.

You can make corrections on the surface by means of plastic trowel when drying process begins.

If more than one coat will be applied, make sure that 3 hours pass between each coating application. The surface must be moisturized before starting to the next coating application.

The mixture must be mixed at certain intervals to prevent agglomeration.

#### Consumption

1,5- 2 Kg/m<sup>2</sup> in total for 1mm thickness (depends on the depth and unevenness of the surface)

#### Packaging

25 Kg Kraft sack

## RECIX 10 Thick Repair Mortar



### Technical Specifications:

Quality Standards Compliance	: R1 Class
Colour	: Grey
Appearance	: Powder
Density	: 1,47 Kg/lt
Water Mixture Rate	: 7.5- 8 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 30 minutes
Waiting Time Between Coats	: Minimum 3 Hours
Ground Application Temperature	: +5 °C, +30 °C
Application Thickness	: Between 5-20 mm
Splice strength	: 1.50 N/mm <sup>2</sup>
Bending Strength	: 3 N/mm <sup>2</sup> (28 Days)
Compressive Strength	: 10 N/mm <sup>2</sup> (28 Days)

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description:

RECESS Recix 10 is a glass-fiber reinforced, single component, cement based, polymer modified, practical and easy to apply high performance thick repair mortar, which has been developed for repairing surfaces such as wall, ready-mixed concrete, exposed concretes that require repair works.

### Areas of Use

- All structures of indoor and outdoor spaces
- Exposed concrete and cement-based plasters
- For repair works of impermeable and high strength wall and ceiling concretes
- To obtain a smooth lower surface before tiling applications.
- For repair works of edges and corners.
- The product is used on gas concrete, exosed concrete, prefabricated concrete, briquette etc. surfaces of reinforced concrete buildings.

### Advantages

- It is easy to prepare and apply.
- Resistance to water, frost and severe weather conditions.
- It can be applied in 5-10 thickness in single application.
- Its adherence performance and strength is very high.
- A smooth surface is obtained.
- It doesn't cause cracks, shrinkage, sagging and slumping during application.
- It has water vapour permeability
- Non-inflammable.

### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion.

Loose and damaged concretes on the surface must be cleaned by means of chiselling and levelling tools in order to obtain a smooth surface.

It is recommended to first apply RECESS Primer T copolymer priming agent on the application surface. If priming application is not preferred, the surface must be moistened without leaving any water on the surface.

For surfaces, which are subject to priming application, make sure that 5-10 minutes pass until required adherence is achieved.

### Preparation Instructions

25 kg powder RECESS Recix 5 White is added to 5,5-6 clean water in a clean container, and mixed by means of a low speed mixer or drill for 3-4 minutes in order to achieve homogeneity and prevent agglomeration.

This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for 1-2 minutes. It is recommended that the mixture in the container is consumed within 30 minutes.

You mustn't add any additive or chemical substances to the ready-to-use material.

### Instructions for Use

RECESS Recix 10, which is made ready for use, must be applied on the whole surface by means of a steel trowel uniformly and in equal thickness.

You can make corrections on the surface by means of plastic trowel when drying process begins.

If more than one coat will be applied, make sure that 3 hours pass between each coating application. The surface must be moisturized before starting to the next coating application.

The mixture must be mixed at certain intervals to prevent agglomeration.

### Consumption

1,7- 2 Kg/m<sup>2</sup> in total for 1mm thickness (depends on the depth and unevenness of the surface)

### Packaging

25 Kg Kraft sack



### RECIX 15 Structural Repair Mortar

#### Technical Specifications:

Quality Standards Compliance	: R3 Class
Colour	: Grey
Appearance	: Powder
Density	: 1,41 Kg/lt
Water Mixture Rate	: 4.25- 4.75 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 30 minutes
Waiting Time Between Coats	: 3 Hours
Ground Application Temperature	: +5 °C, +30 °C
Application Thickness	: Between 10-40 mm
Splice strength	: $\geq 3 \text{ N/mm}^2$ (28 Days)
Bending Strength	: $\geq 7 \text{ N/mm}^2$ (28 Days)
Compressive Strength	: $\geq 40 \text{ N/mm}^2$ (28 Days)

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description

RECESS Recix 15 is a cement based, waterproof, polymer and fiber reinforced structural repair mortar with high resistance, high initial and final strength, high application thickness on single coat, which is ideal for concrete repair.

#### Areas of Use

- For repairing tie-rod holes, drilling cores and tension bars
- Chamfering horizontal-vertical and vertical-vertical joints before waterproofing applications
- All structures of indoor and outdoor spaces
- Repairing exposed concretes
- For protecting concretes against the effects of sulphate and chlorine
- For repair and maintenance of marine structures
- For repairing surfaces with low and medium heavy traffic level, which require special coating
- For repair works of impermeable and high strength wall and ceiling concretes
- For repair works of edges and corners.
- On horizontal and vertical surfaces.

#### Advantages

- It is easy to prepare and apply.
- Resistant to water, frost and severe weather conditions.
- The product is not fluid.
- It can be applied in 10-40mm thickness in single application.
- Its adherence performance and strength is very high.
- It is resistant to chloride and sulphate attacks.
- It doesn't cause cracks, shrinkage, sagging and slumping during application.
- Non-shrinking.
- It has water vapour permeability
- Non-inflammable

#### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion.

Loose and damaged concretes on the surface must be cleaned by means of chiselling and levelling tools in order to obtain a smooth surface. Where required, application surface must be cleaned with sandblasting, pressurized water or air injection method. Corrosion on the components must be cleaned, or corroded components must be replaced with new ones if necessary.

It is recommended to first apply RECESS Primer T copolymer priming agent on the application surface. If priming application is not preferred, the surface must be moistened without leaving any water on the surface. For surfaces, which are subject to priming application, make sure that 5-10 minutes pass until required adherence is achieved.

#### Preparation Instructions

25kg powder RECESS Recix 15 is added to 4,25-4,75 clean water in a clean container, and mixed by means of a low speed mixer or drill for 3-4 minutes in order to achieve homogeneity and prevent agglomeration.

This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for 1-2 minutes. It is recommended that the mixture in the container is consumed within 30 minutes.

You mustn't add any additive or chemical substances to the ready-to-use material.

#### Instructions for Use

RECESS Recix 15, which is made ready for use, must be applied on the whole surface by means of a steel trowel uniformly and in equal thickness.

You can make corrections on the surface by means of plastic trowel or damp sponge when drying process begins.

If more than one coat will be applied, make sure that 3 hours pass between each coating application. The surface must be moisturized before starting to the next coating application.

The mixture must be mixed at certain intervals to prevent agglomeration. Before waterproofing application, floor-ceiling joints can be chamfered with 40mm radius.

#### Consumption

1,9-2.3 Kg/m<sup>2</sup> in total for 1mm thickness (depends on the depth and unevenness of the surface)

#### Packaging

25 Kg Kraft sack

## RECIX 15 C Structural Repair Mortar (Thixotropic)



### Technical Specifications:

Quality Standards Compliance	: R3 Class
Colour	: Grey
Appearance	: Granule
Density	: 1,41 Kg/ltr
Water Mixture Rate	: 4.25 – 4.75 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 30 minutes
Waiting Time Between Coats	: 3 Hours
Ground Application Temperature	: +5 °C, +30 °C
Application Thickness	: Between 10-40 mm
Splice strength	: 1.50 N/mm <sup>2</sup> (28 Days)
Bending Strength	: 7 N/mm <sup>2</sup> (28 Days)
Compressive Strength	: 40 N/mm <sup>2</sup> (28 Days)

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description:

RECESS Recix 15 C is a cement based, waterproof, polymer and fiber reinforced, thixotropic structural repair mortar with high resistance, high initial and final strength, high application thickness on single coat, which is ideal for concrete repair.

### Areas of Use

- For repairing tie-rod holes, drilling cores and tension bars
- Chamfering horizontal-vertical and vertical-vertical joints before waterproofing applications
- All structures of indoor and outdoor spaces
- Repairing exposed concretes
- For protecting concretes against the effects of sulphate and chlorine
- For repair and maintenance of marine structures
- For repairing surfaces with low and medium heavy traffic level, which require special coating
- For repair works of impermeable and high strength wall and ceiling concretes
- For repair works of edges and corners.
- On horizontal and vertical surfaces.

### Advantages

- It is a single component product.
- It is easy to prepare and apply.
- It can be applied in 10-40mm thickness in single application.
- Its adherence performance and strength is very high.
- It is resistant to chloride and sulphate attacks.
- It doesn't cause cracks, shrinkage, sagging and slumping during application.
- It has hydrophobic qualities.
- It is waterproof.
- It has high thixotropic qualities.
- Non-inflammable

### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion.

Loose and damaged concretes on the surface must be cleaned by means of chiselling and levelling tools in order to obtain a smooth surface. Where required, application surface must be cleaned with sandblasting, pressurized water or air injection method. Corrosion on the components must be cleaned, or corroded components must be replaced with new ones if necessary.

It is recommended to first apply RECESS Primer T copolymer priming agent on the application surface. If priming application is not preferred, the surface must be moistened without leaving any water on the surface.

For surfaces, which are subject to priming application, make sure that 5-10 minutes pass until required adherence is achieved.

### Preparation Instructions

25kg powder RECESS Recix 15 C is added to 4,25-4,75 clean water in a clean container, and mixed by means of a low speed mixer or drill for 3-4 minutes in order to achieve homogeneity and prevent agglomeration.

This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for 1-2 minutes. It is recommended that the mixture in the container is consumed within 30 minutes.

You mustn't add any additive or chemical substances to the ready-to-use material.

### Instructions for Use

RECESS Recix 15 C, which is made ready for use, must be applied on the whole surface by means of a steel trowel uniformly and in equal thickness.

You can make corrections on the surface by means of plastic trowel or damp sponge when drying process begins.

If more than one coat will be applied, make sure that 3 hours pass between each coating application. The surface must be moisturized before starting to the next coating application. The mixture must be mixed at certain intervals to prevent agglomeration. Before waterproofing application, floor-ceiling joints can be chamfered with 40mm radius.

### Consumption

1,9-2.3 Kg/m<sup>2</sup> in total for 1 mm thickness (depends on the depth and unevenness of the surface)

### Packaging

25 Kg Kraft sack

### REMIKS RG Non-Shrink Quick Set Floor and Manhole Repair Mortar

#### Technical Specifications:

Quality Standards Compliance	: R3 Class
Colour	: Grey
Appearance	: Granule
Grain Size	: 0-3 mm
Density	: 1,65 Kg/lt
Water Mixture Rate	: 4,00 lt water/ For 25 kg Powder
Working Time	: 20 minutes
Drying Time	: 1 Hours
Final Drying Time	: 10 minutes
Ground Application Temperature	: +5 °C,+30 °C
Application Thickness	: Between 20-40 mm
Compressive Strength	In 1 hour : 130 kg/cm2 28 Days : 550 kg/cm2

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description

RECESS Recix RG is a cement based, single-component, non-shrinking, special repair mortar suitable for indoor and outdoor use, with quick setting qualities, first and ultimate strength, compressive strength and abrasion resistance, which can also be used on manhole cover repairs,

#### Areas of Use

- For protecting concretes against the effects of sulphate and chlorine
- For raising storm drain and manhole covers
- For repairing kerb and paving stone sections of concrete floors, which are exposed to heavy traffic
- For repair works of impermeable and high strength wall and ceiling concretes

#### Advantages

- It is suitable for old concrete works, since it is non shrink.
- It is easy to prepare and apply.
- Resistance to water, frost and severe weather conditions.
- It sets quickly.
- It can be applied in 20-40mm thickness in single application.
- Its adherence performance and strength is very high.
- It is resistant to chloride and sulphate attacks.
- It doesn't cause cracks, shrinkage, sagging and slumping during application.
- It has water vapour permeability
- Non-inflammable.
- It can be easily applied on even sections of kerbs and manhole covers, which are exposed to traffic.
- It is resistant to oils and acids.

#### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. Loose and damaged concretes on the surface must be cleaned by means of chiselling and levelling tools in order to obtain a smooth surface. Where required, application surface must be cleaned with sandblasting, pressurized water or air injection method. The surface must be cleaned before the application. Make sure that there is no water accumulation on the surface after moistening process.

#### Preparation Instructions

25 kg powder RECESS Recix RG 4 is added to 4lt clean water in a clean container, and mixed by means of a low speed mixer or drill for 3-4 minutes in order to achieve homogeneity and prevent agglomeration.

This mixture is immediately applied, since it sets quickly. It is recommended that the mixture in the container is consumed within 10 minutes.

You mustn't add any additive and/or chemical substances to the ready-to-use material.

#### Instructions for Use

RECESS Recix RG, which is made ready for use, must be applied on the whole surface by means of a steel trowel uniformly and in equal thickness.

The mortar must be applied on the surface to form 20mm and 40mm on a single coat.

You can make corrections on the surface by means of plastic trowel or damp sponge when drying process begins.

If more than one coat will be applied, make sure that 3 hours pass between each coating application. The surface must be moisturized before starting to the next coating application.

#### Consumption

1,5-3 Kg/m<sup>2</sup>

It depends on the depth and roughness of the surface.

#### Packaging

25 Kg Kraft sack

## RECEMENT ANK(GROUT)

## Non-shrink Anchor and Installation Mortar (&gt;10)



## Technical Specifications:

Quality Standards Compliance	: R1 Class
Colour	: Grey
Appearance	: Granule
Grain Size	: >10-30 mm
Density	: 1,90 Kg/lit
Water Mixture Rate	: 3- 3.5 lt water
For 25 kg Powder Working Time	: 20 minutes
Ground Application Temperature	: +5 °C,+30 °C
Application Thickness	: Between 10-40 mm
Compressive Strength	: 50 N/mm <sup>2</sup> (28 Days)
Bending Strength	: 5 N/mm <sup>2</sup> (28 Days)

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

## Description:

RECESS Recment Ank (Grout) is a cement based, single-component fastening, anchor and installation mortar with high first and final strength values, high resistance performance, high fluidity qualities, which doesn't cause shrinking, disintegration and bleeding and which can also be used with pump.

## Areas of Use

- Indoors and outdoors
- For anchoring works
- For repairing tiles, which are exposed to traffic.
- For fixing columns on the foundation in steel structures
- For fixing cranes and machinery to concrete
- For connecting prefabricated concrete elements.
- On road and bridge connections

## Advantages

- It is suitable for old concrete works, since it is non shrink.
- It is easy to prepare and apply.
- Resistance to water, frost and severe weather conditions.
- It can be applied in 0-10 thickness in single application.
- Its adherence performance and strength is very high.
- It is resistant to chloride and sulphate attacks.
- It doesn't cause cracks, shrinkage, sagging and slumping during application.
- It has water vapour permeability
- Non-inflammable.
- It protects steel reinforcement against corrosion.
- It is resistant to oils and acids.

## Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion.

Loose and damaged concretes on the surface must be cleaned by means of chiselling and levelling tools in order to obtain a smooth surface. Where required, application surface must be cleaned with sandblasting, pressurized water or air injection method.

The surface must be cleaned before the application. Make sure that there is no water accumulation on the surface after moistening process. Make sure that application mould is suitably fixed, sealed and clean.

## Preparation Instructions

25 kg powder RECESS Recment Ank (Grout) is added to 3-3,5 lt. clean water in a clean container, and mixed by means of a low speed mixer or drill for 3-4 minutes in order to achieve homogeneity and prevent agglomeration.

This mixture is not subjected to any application for 5-10. Then, it is made ready for use after a 1-2 minutes mixing process.

You mustn't add any additive and/or chemical substances to the ready-to-use material.

## Instructions for Use

RECESS Recment Ank (Grout), which is made ready for use, is poured into the pre-prepared mould from one side. Therefore, air tightness in the mixture is prevented.

Applied RECESS Recment Ank(Grout) must be coated with RECESS Betokür R or covered with wet sack for a period of 48 hours depending on the weather conditions (sun, wind etc.). It is recommended that the mixture in the container is consumed within 20 minutes.

## Consumption

1,95 Kg/m<sup>3</sup> (for 1 mm thickness)

## Packaging

25 Kg Kraft sack

### RECEMENT ANK(GROUT) Non-shrink Anchor and Installation Mortar (<10)

#### Technical Specifications:

Quality Standards Compliance	: R1 Class
Colour	: Grey
Appearance	: Granule
Grain Size	: <20 mm
Density	: 1,43 Kg/lt
Water Mixture Rate	: 4- 4.5 lt water For 25 kg Powder
Working Time	: 20 minutes
Ground Application Temperature	: +5 oC,+30 °C
Application Thickness	: <10 mm
Compressive Strength	: 50 N/mm <sup>2</sup> (28 Days)
Bending Strength	: 5 N/mm <sup>2</sup> (28 Days)

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description

RECESS Recment Ank(GROUT) is a cement based, single-component fastening, anchor and installation mortar with high first and final strength values, high resistance performance, high fluidity qualities, which doesn't cause shrinking, disintegration and bleeding and which can also be used with pump.

#### Areas of Use

- Indoors and outdoors
- For anchoring works
- For repairing tiles, which are exposed to traffic.
- For fixing columns on the foundation in steel structures
- For fixing cranes and machinery to concrete
- For connecting prefabricated concrete elements.
- On road and bridge connections

#### Advantages

- It is suitable for old concrete works, since it is non shrink.
- It is easy to prepare and apply.
- Resistance to water, frost and severe weather conditions.
- It can be applied in 0-10 thickness in single application.
- Its adherence performance and strength is very high.
- It is resistant to chloride and sulphate attacks.
- It doesn't cause cracks, shrinkage, sagging and slumping during application.
- It has water vapour permeability
- Non-inflammable.
- It protects steel reinforcement against corrosion.
- It is resistant to oils and acids.

#### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion.

Loose and damaged concretes on the surface must be cleaned by means of chiselling and levelling tools in order to obtain a smooth surface. Where required, application surface must be cleaned with sandblasting, pressurized water or air injection method.

The surface must be cleaned before the application. Make sure that there is no water accumulation on the surface after moistening process. Make sure that application mould is suitably fixed, sealed and clean.

#### Preparation Instructions

25 kg powder RECESS Recment Ank(GROUT) is added to 4-4,5 lt. clean water in a clean container, and mixed by means of a low speed mixer or driller for 3-4 minutes in order to achieve homogeneity and prevent agglomeration.

This mixture is not subjected to any application for 5-10. Then, it is made ready for use after a 1-2 minutes mixing process.

You mustn't add any additive and/or chemical substances to the ready-to-use material.

#### Instructions for Use

RECESS Recment Ank(GROUT), which is made ready for use, is poured into the pre-prepared mould from one side.

Therefore, air tightness in the mixture is prevented.

Applied RECESS Recment Ank(GROUT) must be coated with RECESS Betokür R or covered with wet sack for a period of 48 hours depending on the weather conditions (sun, wind etc.).

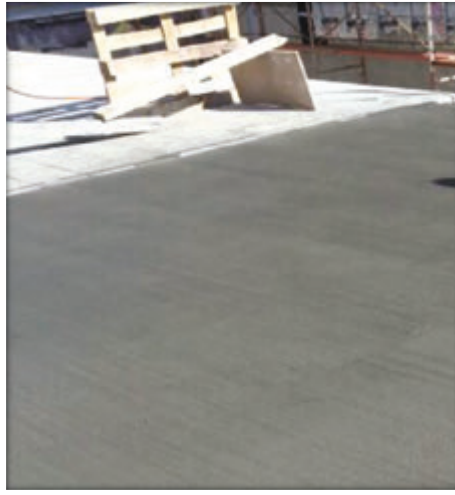
It is recommended that the mixture in the container is consumed within 20 minutes.

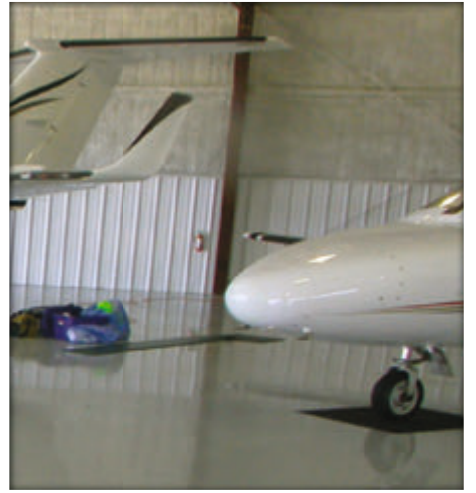
#### Consumption

2,10 Kg/m<sup>2</sup> (for 0,5 thickness)

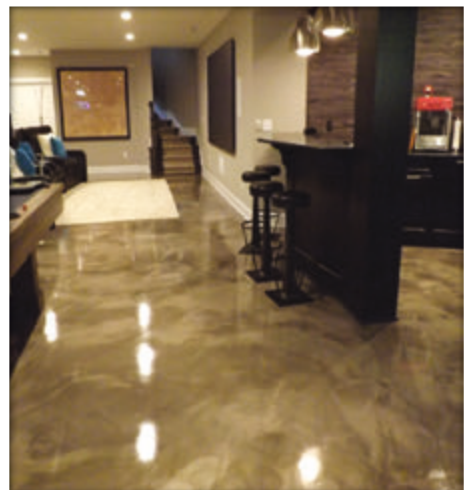
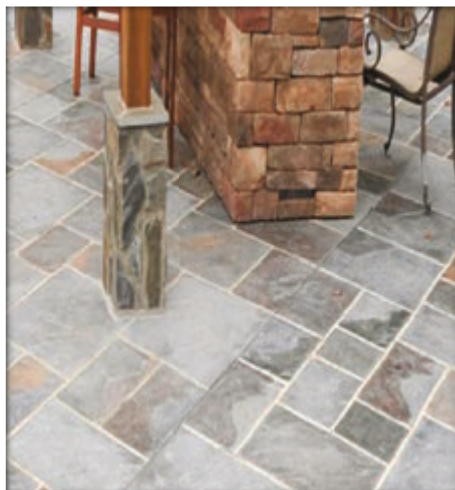
#### Packaging

25 Kg Kraft sack





## FLOOR SYSTEM



## REYSER 100 Quartz Aggregate Floor Hardener



### Technical Specifications:

Colour	: Concrete Grey, Red, Green, Green Chrome
Appearance	: Granule
Density	: 1.70 kg/lit
Ground Application Temperature	: +5 °C, +30 °C
Aggregate Hardness	: 7 Mosh Scale
Elasticity Modulus	: 29.000 N/mm <sup>2</sup>
Abrasion Resistance (Boehme Method)	: 6-7 gr/cm <sup>3</sup>
Impact Resistance (2000 cycles)	: 40-50% Weight Loss
The Period to Walk on The Surface	: After 1 day
Compressive Strength (28 days)	: ≥70-75 N/mm <sup>2</sup>

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description

RECESS Reyser 100 is a surface hardening powder mixture which consists of quartz aggregate, cement, chemical additives, special colouring pigments and polymer additives, applied on the fresh concrete surface by means of scattering in order to increase concrete's resistance to dusting, wearing and chemical substances on surfaces with light and medium loads, and obtain surfaces in different colours.

### Areas of Use

- Indoors and outdoors
- Shopping centers, gas stations, schools and parking lots, where pedestrian and vehicle traffic is heavy.
- Subways, metro stations,
- Factories, industrial structures, warehouses, loading and unloading areas, hangars and mechanical workshops,
- The product is used in areas with friction, where wear resistance is required.

### Advantages

- The product is applied on fresh concrete with scattering method.
- It is resistant to freezing and thawing.
- It is more resistant to wearing and impacts compared to normal concrete.
- It provides resistance against dusting.
- Its maintenance and cleaning is very easy.
- It is inoxidable.
- Different colour options are available.

### Surface Preparation

RECESS Reyser 100 is applied on fresh concrete by means of a machine or sprinkling with hand. Concrete quality must be C25 as a minimum. If new concrete will be poured on the old concrete, RECESS Primer T priming agent must be used before the application in order to increase adherence.

Make sure that poured concrete is firmly settled, vibrator is used and the surface is levelled.

Before the concrete is applied on the surface, pay particular attention to its consistency and make sure that it is not too wet or too dry.

Make sure that when you step on the concrete, foot prints must appear and foot must not be embedded in the concrete.

### Preparation Instructions

Since the product is a ready-to-use material, it is applied in powder form by means of a machine or sprinkling with hand without adding any other material or mixing.

### Instructions for Use

Sprinkling application is made after concrete is completely set. Depending on the conditions, make sure that exudation water is removed from the area during the application.

Make sure that 3kg/m<sup>2</sup> is settled on the surface in the first phase, and 2kg/m<sup>2</sup> of the product is settled in the second phase. Avoid sprinkling the product in distances exceeding 1,5-2 meter.

Make sure that mechanical trowelling machine is use after each application in order to obtain a levelled surface.

Colour differences during the drying process is normal. For colour consistency, make sure that the product is spread on the surface uniformly. Correct timing and scouring techniques are important. Joint Cutting: Joints are cut in 4x4 tiles after surface hardening agent is applied. Joint cutting operation must be started within 2-3 days at the latest. If joints are cut after this 3 day waiting period, this operation becomes more difficult and concrete cracks appear on the surface since concrete is completely set. Cut joints must be filled with RECESS Polyethylene grouting wick and RECESS Polyurethane Mastic.

Curing Process: After polishing operation is completed, curing process is conducted with one of RECESS Betokür products in order to protect concrete surface. RECESS Betokür products maintains concrete strength, decelerates evaporation rate, prevents shrinking cracks and dusting, and helps the concrete by setting with the current amount of water.

### Consumption

Consumption amount is approximately 4-5 Kg/m<sup>2</sup> and depends on intended use and traffic load.

### Packaging

25 Kg Kraft sack



### REYSER 200 Quartz Corundum Aggregate Floor Hardener

#### Technical Specifications:

Colour	: Concrete Grey, Red, Green, Green chrome
Appearance	: Granule
Density	: 1.51 kg/Lt
Ground Application Temperature	: +5 °C, +30 °C
Aggregate Hardness	: 8 Mosh Scale
Elasticity Modulus	: 29,000 N/mm <sup>2</sup>
Abrasion Resistance (Boehme Method)	: 3-4 gr/cm <sup>3</sup>
Impact Resistance (2000 cycles)	: 30-40% Weight Loss
The Period to Walk on The Surface	: After 1 day
Compressive Strength (28 days)	: ≥75-80 N/mm <sup>2</sup>

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Reyser 200 is a surface hardening powder mixture which consists of quartz and corundum aggregate, cement, chemical additives, special colouring pigments and polymer additives, which is applied on the fresh concrete surface by means of scattering in order to increase concrete's resistance to dusting, wearing and chemical substances and obtain surfaces in different colours.

#### Areas of Use

- Indoors and outdoors
- Shopping centers, gas stations, schools and parking lots, where pedestrian and vehicle traffic is heavy.
- Subways, metro stations,
- Factories, industrial structures, warehouses, loading and unloading areas, hangars and mechanical workshops,
- The product is used in areas with friction, where wear resistance is required.

#### Advantages

- The product is applied on fresh concrete with scattering method.
- It is resistant to freezing and thawing.
- It is more resistant to wearing and impacts compared to normal concrete.
- It provides resistance against dusting.
- Its maintenance and cleaning is very easy.
- It is inoxidable.
- Different colour options are available.

#### Surface Preparation

RECESS Reyser 200 is applied on fresh concrete by means of a machine or sprinkling with hand. Concrete quality must be C25 as a minimum. If new concrete will be poured on the old concrete, RECESS Primer T priming agent must be used before the application in order to increase adherence.

Make sure that poured concrete is firmly settled, vibrator is used and the surface is levelled.

Before the concrete is applied on the surface, pay particular attention to its consistency and make sure that it is not too wet or too dry. Make sure that when you step on the concrete, foot prints must appear and foot must not be embedded in the concrete.

#### Preparation Instructions

Since the product is a ready-to-use material, it is applied in powder form by means of a machine or sprinkling with hand without adding any other material or mixing.

#### Instructions for Use

Sprinkling application is made after concrete is completely set. Depending on the conditions, make sure that exudation water is removed from the area during the application.

Make sure that 60% of the product is settled on the surface in the first phase, and 40% of the product is settled in the second phase. Avoid sprinkling the product in distances exceeding 1,5-2 meter.

Make sure that mechanical trowelling machine is use after each application in order to obtain a levelled surface.

Colour differences during the drying process is normal. For colour consistency, make sure that the product is spread on the surface uniformly.

Correct timing and scouring techniques are important.

**Joint Cutting:** Joints are cut in 4x4 tiles after surface hardening agent is applied. Joint cutting operation must be started within 2-3 days at the latest. If joints are cut after this 3 day waiting period, this operation becomes more difficult and concrete cracks appear on the surface since concrete is completely set. Cut joints must be filled with RECESS Polyethylene grouting wick and RECESS Polyurethane Mastic. .

**Curing Process:** After polishing operation is completed, curing process is conducted with one of RECESS Betokür products in order to protect concrete surface. RECESS Betokür products maintains concrete strength, decelerates evaporation rate, prevents shrinking cracks and dusting, and helps the concrete by setting with the current amount of water.

#### Consumption

Consumption amount is approximately 6-7 Kg/m<sup>2</sup> and depends on intended use and traffic load.

#### Packaging

25 Kg Kraft sack

## REYSER 300 Corrundum Aggregate Floor Hardener



### Technical Specifications:

Colour	: Grey, Red, Green, Green Chrome
Appearance	: Granule
Density	: 1.55 kg/lt
Ground Application Temperature	: +5 °C,+30 C
Aggregate Hardness	: 9 Mosh Scale
Elasticity Modulus	: 29,000 N/mm <sup>2</sup>
Abrasion Resistance (Boehme Method)	: 1,5–2 gr/cm <sup>3</sup>
Impact Resistance (2000 cycles)	: 25-305 Weight Loss
The Period to Walk on The Surface	: After 1 day
Compressive Strength (28 days)	: ≥80–85 N/mm <sup>2</sup>

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description

RECESS Reysen 300 is a surface hardening powder mixture which consists of corundum aggregate, cement, chemical additives, special colouring pigments and polymer additives, which is applied on the fresh concrete surface by means of scattering in order to increase concrete's resistance to dusting, wearing and chemical substances and obtain surfaces in different colours.

### Areas of Use

- Indoors and outdoors
- Shopping centers, gas stations, schools and parking lots, where pedestrian and vehicle traffic is heavy.
- Subways, metro stations,
- Factories, industrial structures, warehouses, loading and unloading areas, hangars and mechanical workshops,
- The product is used in areas with friction, where wear resistance is required.

### Advantages

- The product is applied on fresh concrete with scattering method.
- It is resistant to freezing and thawing.
- It is more resistant to wearing and impacts compared to normal concrete.
- It provides resistance against dusting.
- Its maintenance and cleaning is very easy.
- It is inoxidable.
- Different colour options are available

### Surface Preparation

RECESS Reysen 300 is applied on fresh concrete by means of a machine or sprinkling with hand. Concrete quality must be C25 as a minimum. If new concrete will be poured on the old concrete, REYSER Primer T priming agent must be used before the application in order to increase adherence.

Make sure that poured concrete is firmly settled, vibrator is used and the surface is levelled.

Before the concrete is applied on the surface, pay particular attention to its consistency and make sure that it is not too wet or too dry. Make sure that when you step on the concrete, foot prints must appear and foot must not be embedded in the concrete.

### Preparation Instructions

Since the product is a ready-to-use material, it is applied in powder form by means of a machine or sprinkling with hand without adding any other material or mixing.

### Instructions for Use

Sprinkling application is made after concrete is completely set. Depending on the conditions, make sure that exudation water is removed from the area during the application.

Make sure that 60% of the product is settled on the surface in the first phase, and 40% of the product is settled in the second phase. Avoid sprinkling the product in distances exceeding 1,5-2 meter.

Make sure that mechanical trowelling machine is use after each application in order to obtain a levelled surface.

Colour differences during the drying process is normal. For colour consistency, make sure that the product is spread on the surface uniformly.

Correct timing and scouring techniques are important.

Joint Cutting: Joints are cut in 4x4 tiles after surface hardening agent is applied. Joint cutting operation must be started within 2-3 days at the latest. If joints are cut after this 3 day waiting period, this operation becomes more difficult and concrete cracks appear on the surface since concrete is completely set. Cut joints must be filled with RECESS Polyethylene grouting wick and RECESS Polyurethane Mastic. .

Curing Process: After polishing operation is completed, curing process is conducted with one of RECESS Betokür products in order to protect concrete surface. RECESS Betokür products maintains concrete strength, decelerates evaporation rate, prevents shrinking cracks and dusting, and helps the concrete by setting with the current amount of water.

### Consumption

Consumption amount is approximately 7-8 Kg/m<sup>2</sup> and depends on intended use and traffic load.

### Packaging

25 Kg Kraft sack

### RC RELEASE AGENT Release Agent for Stamped Concrete Systems



#### Technical Specifications:

Content	: Pigmented special powder mix
Color	: Grey / Colored
Density	: 1,10 kg/lt
Adhesion on Moulds / Concrete	: None

#### Description:

RC RELEASE AGENT is a release agent, in powder form, colored, antique appearance that can be used for cement based stamped concrete hardener.

#### Areas of Use

- Allows easily leave the polyurethane mold from the stamped concrete surfaces.
- Applied on colored surface hardener to give antique effect.

#### Advantages

- Creates antique effect and appearance.
- Creates a decorative and aesthetic appearance with different colors.
- Prevents the adhesion of concrete to the mold surface.
- Allows to transfer of mold figures precisely on concrete surface hardeners.
- Prevents the mold to wear and tear.

#### Surface Preparation

RC RELEASE AGENT application must be started after finished the surface hardener application and polishing.

#### Instructions for Use

RC RELEASE AGENT is spreaded on the surface hardener applied surface and done figured process with using molds. Depends on weathering conditions after 1 or 2 days later, surface must be washed with pressure water. Washed with high pressure water gives less antique appearance, on the contrary washed with low pressure water gives more deeply antique appearance

#### Consumption

According to effect and figure on the surface; 0,200 - 0,400 kg/m<sup>2</sup>

#### Packaging

6 kg plastic bucket

## RC SHINER

### Protective and Polisher Coating Material



#### Technical Specifications:

Content	: Solvent Based Acrylic Resin
Color	: Transparent
Density	: 0,92 g/cm <sup>3</sup>
Flash Point	: +25 °C
Application Temperature	: +5 °C to +25 °C
Service Temperature	: -20 °C to +80 °C
Drying Time	: 2 Hours

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description

RECESS RC Shiner is a natural appearance, solvent and acrylic resin based protective and polisher coating material that designed for concrete and natural stone surface.

#### Areas of Use

- On natural stones, marble, press brickle, travertine.
- On concrete and gross concrete surfaces.
- On cement based pre-cast coated surfaces.
- On surface hardener applied surfaces.
- On RECESS RC Stamp applied surfaces.

#### Advantages

- It provides long term protection, dust-free property, surface resistance and aesthetic appearance with penetrating deeply into the concrete pores and aggregate structure.

#### Surface Preparation

Application surface must be cleaned off all contaminates such as dust, dirt, rust etc. and washed with pressure water. Surface must be dry before application.

#### Instructions for Use

RECESS RC Shiner is ready to use. Product should be applied on the dry surface for 2 or 3 coats with using brush, roller or metallic spray gun. Re-coat time is 2 or 3 hours according to weathering conditions. Application must be done in a well ventilated area and using protective gloves and goggles.

#### Consumption

0,200 - 0,250 lt/m<sup>2</sup> for 3 layers.

#### Packaging

30 lt plastic drum

### RC STAMP

### Stamped Concrete Surface Hardener

#### Technical Specifications:

Content	: Quartz aggregate, special cement, mineral fillers and special additives mix.
Color	: Natural, Grey, Light Grey, Light Brown, Green, Bone Color, Orange and Other Colors.
Aggregate Hardners	: 7 mohs
Compressive Strength	: $\geq 6,0 \text{ N/mm}^2$
Abrasion Strength	: $6,8 \text{ cm}^3/50 \text{ mm}^2$



#### Description:

RECESS RC Stamp is a cement based, quartz aggregate, colored stamped concrete hardener that resistant to abrasion and chalking. It can be applied on fresh concrete surface as monolithic.

#### Areas of Use

- On interior and exterior surfaces,
- On concrete surfaces, floors, pavements, pedestrian and car roads.

#### Advantages

- Increases strength of stamped concrete surface and prevents the surface from chalking.
- Creates colored and decorative surface.
- Decreases absorbency of the applied surface.
- Prevents flacking formed during freeze-thaw.

#### Surface Preparation

Application must be started after disappear of the water on fresh concrete surface.

#### Instructions for Use

Colored RECESS RC Stamp is spreaded approximately 4-5 kg/m<sup>2</sup> on the surface. It must be polished on the surface with using special trowel. After the coloring process is completed, waited until get plastic consistency by draining the water into the concrete. RECESS RC Release Agent antique effect powder are applied on whole surface to form a thin layer as 200 g/m<sup>2</sup>. After spread the RECESS RC Release Agent on the surface, polyurethane based decorative concrete molds are placed on the concrete surface consecutively and without any gap. Figure of the molds are transferred into the concrete with wetting by a poulder. Depends on weathering conditions after 1 or 2 days later, firstly RECESS RC Release is swept out and then surface must be washed with pressure water until get desired appearance. A part of the RECESS RC Release is stayed into the joints and gaps during the application, it is formed an antique and natural appearance on the surface. Joints must be cut within 1-3 days. After get dry of the washed surface, RECESS RC Shiner is applied 2 layers with using roller or spray gun as 300-400 g/m<sup>2</sup>. Surface color and surface are protected from acid, base, solvents, chemicals and UV lights with this process.

#### Consumption

4 - 5 kg/m<sup>2</sup>

#### Packaging

25 kg kraft bag

**RELAX 5**

**Self Propagating Levelling Screed Self Levelling (1-5 mm)**



**Technical Specifications:**

Colour	: Grey
Appearance	: Fine Powder
Density	: 1.37 kg/lit
Water Mixture Rate	: 5.5 – 6.5 lt water For 25 kg Powder
Stilling	: 3-5 minutes
Application Thickness	: 1-5 mm
Working Life	: 30 minute
Propagating Time	: 10 minute
Compressive Strength	: $\geq 20 \text{ N/mm}^2$
Bending Strength	: $\geq 5 \text{ N/mm}^2$
The Period to Walk on The Surface	: 8 Hours
Finishing Coat Time	
Ceramic, carpet coating	: 10-12 Hours
Parquet, PVC Coating	: 20-24 Hours
Ground Application Temperature	: +5 °C, +30 °C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

**Description**

RECESS Relax 5 is a cement based, single component, powder resin and modified polymer reinforced, high strength, self levelling screed, which is developed for indoor areas and can be applied in thickness values up to 5mm for one coat.

**Areas of Use**

- Indoors
- Schools, shopping centres, hospitals, hotels, stores etc. where pedestrian and vehicle traffic is at medium and high levels
- Cement based grout, prefabricated concrete, concrete floor etc. areas.
- The product is used for levelling the floor before top coat application.

**Advantages**

- It is easy to prepare and apply.
- Provides easy application.
- Its adherence performance and abrasion resistance is high.
- Thanks to its self levelling qualities, it eliminates roughness on the sub-ground area and forms a smooth surface.
- It can be applied by means of a pump.
- It doesn't cause any cracks.
- It can be commissioned within a short period of time.
- Durable and long-lasting.

**Surface Preparation**

Make sure that application surface is completely cured. The surface must be free of substances such as dust, oil, paint, dirt etc., which may prevent adhesion. Make sure that surfaces are moisturized and their humidity level is maintained. Make sure that there is no water accumulation on the surface after moistening process. Application surfaces must be free of pits, segregation, etc., such defects must be corrected with RECESS Repair Mortar. Surface must be primed with undiluted RECESS Primer TE or RECESS Primer TP priming agent 30 minutes before the application. Comply with the conditions of dilatation joints on the ground, if any.

**Preparation Instructions**

25 kg powder RECESS Relax 5 is added to 5.5-6.5 clean water in a clean container, and mixed by means of a low speed mixer or drilller for 3-4 minutes in order to achieve homogeneity and prevent agglomeration.

This mixture is stilled for mellowing for a period of 3-5 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 30 minutes.

**Instructions for Use:**

RECESS Relax 5, which is made ready for use, is poured on the ground, and carded with notched trowel in order to achieve the required thickness. Gaps such as bird eye etc. on the ground, which may prevent adhesion on the gaps, are eliminated by carding two sides of the grouting with a spiked roller.

For surfaces which require two coats of application, second coat application is started as soon as first coat is set. If waiting time between coats exceeds 24 hours, RECESS Primer TE priming agent must be applied between the coats in case of cold joints.

Continuous application is made on wide gaps; grouting must be prepared in more than one buckets and applied on the ground one after another in order to prevent formation of cold joints.

Final coating must be made according to the type of material to be coated. The product must not be applied on flimsy and loose grounds, outdoor areas, areas which are constantly exposed to water, industrial areas and wooden floors. The product must not be used as top coating material. For floor heating systems, heating system must be deactivated atleast 24 hours before RECESS Relax 5 application, and activated after 24 hours.

**Consumption**

1,5- 1,8 Kg/m<sup>2</sup> (for 1mm thickness)

**Packaging**

25 Kg Kraft sack

### RELAX 10

### Self Propagating Levelling Screed Self Levelling (1-10 mm)

#### Technical Specifications:

Color	Grey
Appearance	: Fine Powder
Density	: 1.39 kg/ltr
Water Mixture Rate	: 6- 7 lt water For 25 kg Powder
Stilling	: 3-5 minutes
Application Thickness	: 1-10 mm
Working Life	: 25 minutes
Propagating Time	: 10 minute
Compressive Strength	: $\geq 28 \text{ N/mm}^2$
Bending Strength	: $\geq 6 \text{ N/mm}^2$
The Period to Walk on The Surface	: 8 Hours
Finishing Coat Time	
Ceramic, carpet coating	: 10-12 Hours
Parquet, PVC Coating	: 20-24 Hours
Ground Application Temperature	: +5 °C,+30 °C

Technical information correspond to the data, which were obtained at 20 °C (±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Relax 10 is a cement based, single component, powder resin and modified polymer reinforced, high strength, self levelling screed, which is developed for indoor areas and can be applied in thickness values up to 10 mm for one coat.

#### Areas of Use

- Indoors
- Schools, shopping centres, hospitals, hotels, stores etc. where pedestrian and vehicle traffic is at low and medium levels
- Cement based grout, prefabricated concrete, concrete floor etc. areas.
- The product is used for levelling the floor before top coat application.

#### Advantages

- It is easy to prepare and apply.
- Provides easy application.
- Its adherence performance and abrasion resistance is high.
- Thanks to its self levelling qualities, it eliminates roughness on the sub-ground area and forms a smooth surface.
- It can be applied by means of a pump.
- It doesn't cause any cracks.
- It can be commissioned within a short period of time.
- Durable and long-lasting.

#### Surface Preparation

Make sure that application surface is completely cured. The surface must be free of substances such as dust, oil, paint, dirt etc., which may prevent adhesion.

Make sure that surfaces are moisturized and their humidity level is maintained. Make sure that there is no water accumulation on the surface after moistening process.

Application surfaces must be free of pits, segregation, etc., such defects must be corrected with RECESS Repair Mortar.

Surface must be primed with undiluted RECESS Primer TE or RECESS Primer TP priming agent 30 minutes before the application. Comply with the conditions of dilatation joints on the ground, if any.

#### Preparation Instructions:

25kg powder RECESS Relax 10 is added to 6-7 clean water in a clean container, and mixed by means of a low speed mixer or drill for 3-4 minutes in order to achieve homogeneity and prevent agglomeration.

This mixture is stilled for mellowing for a period of 3-5 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 30 minutes.

#### Instructions for Use

RECESS Relax 10, which is made ready for use, is poured on the ground, and carded with notched trowel in order to achieve the required thickness. Gaps such as bird eye etc. on the ground, which may prevent adhesion on the gaps, are eliminated by carding two sides of the grouting with a spiked roller.

For surfaces which require two coats of application, second coat application is started as soon as first coat is set. If waiting time between coats exceeds 24 hours, RECESS Primer TE priming agent must be applied between the coats in case of cold joints. Continuous application is made on wide gaps; grouting must be prepared in more than one buckets and applied on the ground one after another in order to prevent formation of cold joints. Final coating must be made according to the type of material to be coated. The product must not be applied on flimsy and loose grounds, outdoor areas, areas which are constantly exposed to water, industrial areas and wooden floors. The product must not be used as top coating material. For floor heating systems, heating system must be deactivated at least 24 hours before RECESS Relax 10 application, and activated after 24 hours.

#### Consumption

1,5- 1,7 Kg/m<sup>2</sup> (for 1mm thickness)

#### Packaging

25 Kg Kraft sack

## RELAX 20

### Self Propagating Levelling Screed Self Levelling (1-20 mm)



#### Technical Specifications:

Colour	: Grey
Appearance	: Fine Powder
Density	: 1.41 kg/lit
Water Mixture Rate	: 6- 7 lt water For 25 kg Powder
Stilling	: 3-5 minutes
Application Thickness	: 1-20 mm
Working Life	: 30 minute
Propagating Time	: 10 minute
Compressive Strength	: $\geq 15 \text{ N/mm}^2$
Bending Strength	: $\geq 3 \text{ N/mm}^2$
The Period to Walk on The Surface	: 8 Hours
Finishing Coat Time	
Ceramic, carpet coating	: 10-12 Hours
Parquet, PVC Coating	: 20-24 Hours
Ground Application Temperature	: +5 °C, +30 °C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

#### Description

RECESS Relax 20 is a cement based, single component, powder resin and modified polymer reinforced, high strength, self levelling screed, which is developed for indoor areas and applied in desired thickness values.

#### Areas of Use

- Indoors
- Schools, shopping centres, hospitals, hotels, stores etc. where pedestrian and vehicle traffic is at low and medium levels
- Cement based grout, prefabricated concrete, concrete floor etc. areas.
- The product is used for levelling the floor before top coat application.

#### Advantages

- It is easy to prepare and apply.
- Provides easy application.
- Its adherence performance and abrasion resistance is high.
- Thanks to its self levelling qualities, it eliminates roughness on the sub-ground area and forms a smooth surface.
- It can be applied by means of a pump.
- It doesn't cause any cracks.
- It can be commissioned within a short period of time.
- Durable and long-lasting.

#### Surface Preparation

Make sure that application surface is completely cured. The surface must be free of substances such as dust, oil, paint, dirt etc., which may prevent adhesion.

Make sure that surfaces are moisturized and their humidity level is maintained. Make sure that there is no water accumulation on the Surface after moistening process.

Application surfaces must be free of pits, segregation, etc., such defects must be corrected with RECESS Repair Mortar.

Surface must be primed with undiluted RECESS Primer TE or RECESS Primer TP priming agent 30 minutes before the application.

Comply with the conditions of dilatation joints on the ground, if any.

#### Preparation Instructions

25kg powder RECESS Relax 20 is added to 6-7 clean water in a clean container, and mixed by means of a low speed mixer or driller for 3-4 minutes in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 3-5 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 30 minutes.

#### Instructions for Use:

RECESS Relax 20, which is made ready for use, is poured on the ground, and carded with notched trowel in order to achieve the required thickness. Gaps such as bird eye etc. on the ground, which may prevent adhesion on the gaps, are eliminated by carding two sides of the grouting with a spiked roller.

For surfaces which require two coats of application, second coat application is started as soon as first coat is set. If waiting time between coats exceeds 24 hours, RECESS Primer TE priming agent must be applied between the coats in case of cold joints.

Continuous application is made on wide gaps; grouting must be prepared in more than one buckets and applied on the ground one after another in order to prevent formation of cold joints.

Final coating must be made according to the type of material to be coated.

The product must not be applied on flimsy and loose grounds, outdoor areas, areas which are constantly exposed to water, industrial areas and wooden floors. The product must not be used as top coating material. For floor heating systems, heating system must be deactivated at least 24 hours before RECESS Relax 20 application, and activated after 24 hours.

#### Consumption

1,6 Kg/m<sup>2</sup> (for 1 thickness)

#### Packaging

25 Kg Kraft sack



### RECESS EPX 001 Epoxy Based Primer

#### Technical Specifications:

Chemical Structure	: Epoxy based
Viscosity	: Component A 600–900 cp (at 25 °C) Component B 300 cp (at 25 °C) A+B Product: 450–600 cp (at 25 °C)
Tensile Strength	: >12 N/mm <sup>2</sup>
Bending Strength	: >24 N/mm <sup>2</sup>
Tensile Elasticity Module	: >700 N/mm <sup>2</sup>
Concrete Adherence - Concrete Breakage	
Viscosity	: 450–600 mPas
Working Time	: 30 minutes at 23 °C
Full hardening	: 1 week
Mixture Ratio	: Component A 67% Component B 33%
Adhesion Time	: 4–6 Hours
Working Time	: 30 minutes
Application Temperature	: Between 10 °C and 30 °C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS EPX 001 is a two-component, solvent-free, epoxy resin based, low viscosity, adherence enhancing epoxy primer agent.

#### Areas of Use

- As the first primer before epoxy floor coating applications
- As the first primer before epoxy repair mortar applications
- As resin for hardening of dusting the concrete surfaces
- As adherence enhancing primer for structures to be fibrous polymer system
- As concrete reinforcing agent on loose grounds
- The product is also used in construction industry as a corrosion inhibitor

#### Advantages

- Its viscosity is very low. With these quality, it penetrates through the gaps and provides a deep involvement.
- The product has superior involvement properties.
- The product's chemical resistance is quite high.
- Solvent-free.

#### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. The surface must be free of solvent paint before the application. Make sure that there is not a loose layer on the application surface. Weak layers must be scraped and cleaned.

Gaps that are formed during cleaning must be filled with Recess repair mortar and the corners must be bevelled.

A clean surface is critical in terms of application durability; therefore, make sure that application is not started until all cleaning procedures are completed. For floor cleaning, industrial vacuum cleaners must be preferred.

#### Preparation Instructions

RECESS EPX 001 in 7,5 kg and 15 kg sets is a two-component product. A component (Resin) and B component (Hardener) are mixed with each other with a low speed mixer or driller until a homogeneous mixture is achieved

You mustn't add any additive and/or chemical substances to the ready-to-use material.

#### Instructions for Use

Ready-to-use RECESS EPX 001 is applied on the surface directly by means of a roll. It is applied on the whole surface uniformly and thoroughly.

Single coat application is recommended. You must wait 4–6 hours after primer application. A suitable coating must be applied on the primer.

All the tools used in the application must be cleaned with epoxy thinner.

#### Consumption

150–500 gr on 1m<sup>2</sup> area

It depends on the absorbency of the surface.

#### Packaging

7,5 kg Set or 15 kg Set

Component A-Resin: Colourless liquid 5 kg plastic box or 10kg plastic box

Component B- Hardening Agent : Light Yellow Liquid 2.5 kg plastic box or 5 kg plastic box

## RECESS EPX 003 Epoxy Based Self Adhesive Floor Covering



### Technical Specifications:

Colour	: Optional amber colours
Appearance	: Liquid
Content components	: Solvent-free Epoxy resin based, three
First Drying Time	: 24 – 48 hours
Final Drying 7 days	
Working Time	: 30-45 minutes
Application Temperatur	: +5 °C and above
Water resistance	: Very Good
UV Resistance	: Low
Compressive strength	: 80 N/mm <sup>2</sup>
Bending strength	: 30 N/mm <sup>2</sup>
Splice strength	: Concrete Detachment
Heat Resistance	: -20 °C, +60 °C

Technical information correspond to the data, which were obtained at 20°C(±2°C) temperature and 50+5% relative humidity.

### Description

EPX 003 is a three-component, solvent free, epoxy resin based epoxy floor covering agent with self propagating qualities.

### Areas of Use

Floors of chemical and pharmaceutical industries, food and beverage industries, laboratories and hospitals etc.  
Floors of power plants, electronic industries, milk processing facilities, warehouses and factories.  
The product is used as a floor covering material on floors which are exposed to heavy traffic and for which high levels of mechanical strength is required.

### Advantages

Forms glossy and smooth surfaces.  
It has self-propagating qualities.  
The product has a very high mechanical resistance.  
It is resistant to chemical materials.  
It is resistant to heavy pedestrian traffic and abrasion.  
It forms a jointless coating.  
The product is applied quickly.  
It is hygienic and doesn't cause dusting.

### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. The surface must be free of solvent paint before the application. Make sure that there is not a loose layer on the application surface. Weak layers must be scraped and cleaned. Gaps that are formed during cleaning must be filled with RECESS repair mortar and the corners must be bevelled.

A clean surface is critical in terms of application durability; therefore, make sure that application is not started until all cleaning procedures are completed. For floor cleaning, industrial vacuum cleaners must be preferred.

### Preparation Instructions

23 kg set RECESS EPX 003 is a three-component product. A component (Resin) and B component (Hardener) are mixed with each other with a low speed mixer or drill until a homogeneous mixture is achieved  
After this, component C (silica sand) is added, and the mixture is again mixed until it becomes completely homogeneous.  
You mustn't add any additive and/or chemical substances to the ready-to-use material.

### Instructions for Use

Ready-to-use RECESS EPX 003 mixture is poured on the surface, which was previously primed with RECESS 001, sanded and dried, and spread on the surface by means of a toothed trowel.

The application is finished by means of carding the material spread on the surface by means of spiked roller. Working time of the material must be considered during application.

All the tools used in the application must be cleaned with epoxy thinner.

### Consumption

1,6 kg/m<sup>2</sup> for 1 mm thickness.

### Packaging

A + B + C components 23 kg set

### RECESS EPX 003 HD Epoxy Based Self Adhesive Floor Covering

#### Technical Specifications:

Colour	: Optional amber colours
Appearance	: Liquid
Content	: Solvent-free Epoxy resin based, three components
First Drying Time	: 24 – 48 hours
Final Drying 7 days	
Working Time	: 30-45 minutes
Application Temperature	: +5 °C and above
Water resistance	: Very Good
UV Resistance	: Low
Compressive strength	: 80 N/mm <sup>2</sup>
Bending strength	: 30 N/mm <sup>2</sup>
Splice strength	: Concrete Detachment
Heat Resistance	: -20 °C, +60 °C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description

Epx 003 HD is a two-component, solvent free, epoxy resin based epoxy floor covering agent with self propagating qualities.

#### Areas of Use

Floors of chemical and pharmaceutical industries, food and beverage industries, laboratories and hospitals etc.

Floors of power plants, electronic industries, milk processing facilities, warehouses and factories.

The product is used as a floor covering material on floors which are exposed to heavy traffic and for which high levels of mechanical strength is required.

#### Advantages

Forms glossy and smooth surfaces.

It has self-propagating qualities.

The product has a very high mechanical resistance.

It is resistant to chemical materials.

It is resistant to heavy pedestrian traffic and abrasion.

It forms a jointless coating.

The product is applied quickly.

It is hygienic and doesn't cause dusting.

#### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. The surface must be free of solvent paint before the application. Make sure that there is not a loose layer on the application surface. Weak layers must be scraped and cleaned.

Gaps that are formed during cleaning must be filled with Recess repair mortar and the corners must be bevelled.

A clean surface is critical in terms of application durability; therefore, make sure that application is not started until all cleaning procedures are completed. For floor cleaning, industrial vacuum cleaners must be preferred.

#### Preparation Instructions

12.5 kg set Recess EPX 003 HD is a two-component product. A component (Resin) and B component (Hardener) are mixed with each other with a low speed mixer or driller until a homogeneous mixture is achieved.

You mustn't add any additive and/or chemical substances to the ready-to-use material.

#### Instructions for Use

Ready-to-use RECESS EPX 003 HD mixture is poured on the surface, which was previously primed with RECESS EPX 001, sanded and dried, and spread on the surface by means of a toothed trowel.

The application is finished by means of carding the material spread on the surface by means of spiked roller. Working time of the material must be considered during application.

All the tools used in the application must be cleaned with epoxy thinner.

#### Consumption

1,5 kg/m<sup>2</sup> for 1 mm thickness

#### Packaging

A + B component 12,5 kg set

## RECESS EPX 004 HD Epoxy Based Paint



### Technical Specifications:

A Component- Resin	: Optional amber coloured liquid
B Component- Hardening Agent	: Light yellow liquid
A Component- Resin	: 5 Kg Plastic Bucket
B Component- Hardening Agent	: 1 Kg Plastic Bucket
Chemical Structure	: Epoxy based
Density	: Component A 1,75 kg/lit ( at 25°C) Component B 1,05 kg/lit ( at 25°C) A+B Product 1,6 kg/lit (at 25°C)
Water resistance	: Very Good
UV Resistance	: Low
Compressive Strength	: 55 N/mm <sup>2</sup>
Bond Strength	: > 1,5 N/mm <sup>2</sup>
Heat Resistance	: Between -20°C and + 60°C
First Drying Time	: 24 Hours
Resurfacing time	: 4-6 Hours
Working Time	: 30-45 minutes
Application Temperature	: Between +10 °C - +30°C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description

RECESS EPX 004 HD is a two-component, solvent-free, epoxy resin based, low viscosity finishing paint.

#### Areas of Use

As surface coating with excellent chemical and mechanical qualities

As a coating for preventing dusting on the floor before floor rack applications.

As concrete reinforcing agent on loose grounds

The product is also used in construction industry as a corrosion inhibitor

#### Advantages

It has a high adhesive power.

The product has superior involvement properties.

The product's chemical resistance is quite high.

#### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. The surface must be free of solvent paint before the application. Make sure that there is not a loose layer on the application surface. Weak layers must be scraped and cleaned.

Gaps that are formed during cleaning must be filled with RECESS repair mortar and the corners must be bevelled.

A clean surface is critical in terms of application durability; therefore, make sure that application is not started until all cleaning procedures are completed. For floor cleaning, industrial vacuum cleaners must be preferred.

#### Preparation Instructions

6 kg set RECESS 004 HD is a two-component product. Component A (Resin) and component B (Hardening agent) are added to each other and they are mixed by means of a low speed mixer or driller until a homogeneous mixture is obtained. You mustn't add any additive and/or chemical substances to the ready-to-use material.

#### Instructions for Use

Ready-to-use EPX 004 HD mixture is applied on the surface, which was prepared for coating works, by means of a roll.

After the paint application, the second coat must be applied after minimum 4-6 hours.

All the tools used in the application must be cleaned with epoxy thinner.

#### Consumption

150-500 gr/m<sup>2</sup> depending on floor conditions

#### Packaging

A + B component 6 kg set

### RECESS EPX 005 Epoxy Based Orange Paint

#### Technical Specifications:

A Component- Resin:	Optional amber coloured liquid
B Component- Hardening	: Agent Light yellow liquid
A Component- Resin:	11 Kg Plastic Bucket
B Component- Hardening	: Agent 1.5 Kg Plastic Bucket
First Drying Time	: 24 Hours
Working Time	: 30-45 minutes
Application Temperature	: Between +10°C - +30°C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS EPX 005 is a two-component, solvent free, epoxy resin based, thixotropic, orange peel pattern, non-slip floor covering.

#### Areas of Use

Areas where non-slippery floor is required  
As surface coating for areas with medium traffic  
Exhibition areas, production facilities, packaging areas, hangar buildings, shop floors etc.

#### Advantages

Non-slippery with high abrasion resistance.  
Easy to apply.  
The product has superior involvement properties.  
The product's chemical resistance is quite high.

#### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. The surface must be free of solvent paint before the application. Make sure that there is not a loose layer on the application surface. Weak layers must be scraped and cleaned.

Gaps that are formed during cleaning must be filled with RECESS repair mortar and the corners must be bevelled.

A clean surface is critical in terms of application durability; therefore, make sure that application is not started until all cleaning procedures are completed. For floor cleaning, industrial vacuum cleaners must be preferred.

RECESS EPX 005 can be used as finishing coat on sandblasted backing coating systems.

#### Preparation Instructions

12.5 kg set RECESS EPX 005 is a two-component product. A component (Resin) and B component (Hardener) are mixed with each other with a low speed mixer or driller until a homogeneous mixture is achieved

You mustn't add any additive and/or chemical substances to the ready-to-use material.

#### Instructions for Use

Ready-to-use RECESS EPX 005 mixture is applied on the surface, which was prepared for coating works, by means of a steel trowel.

The application is completed by ornamenting the surface with coral roller. Working time of the material must be considered during application.

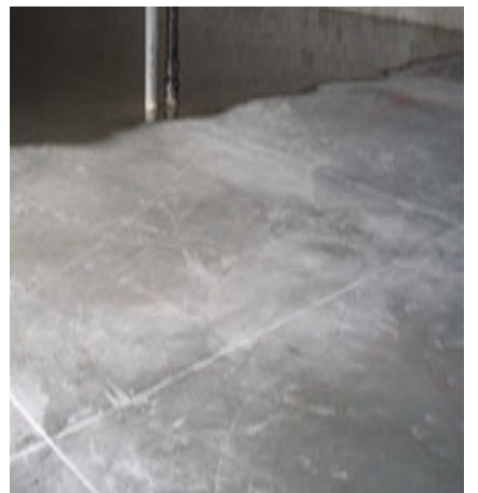
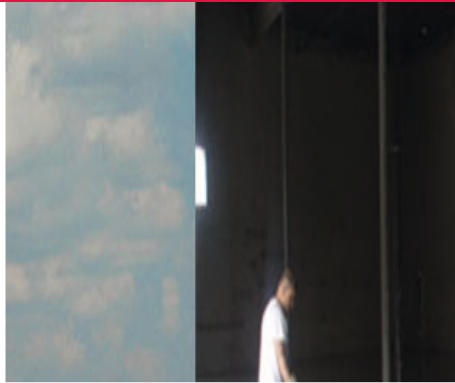
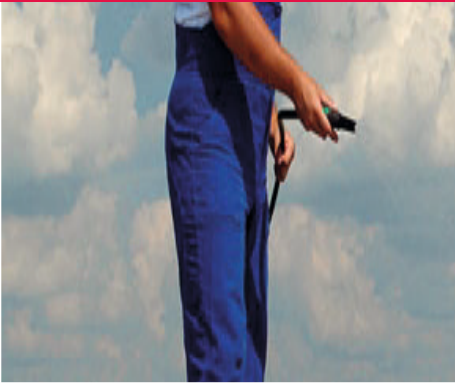
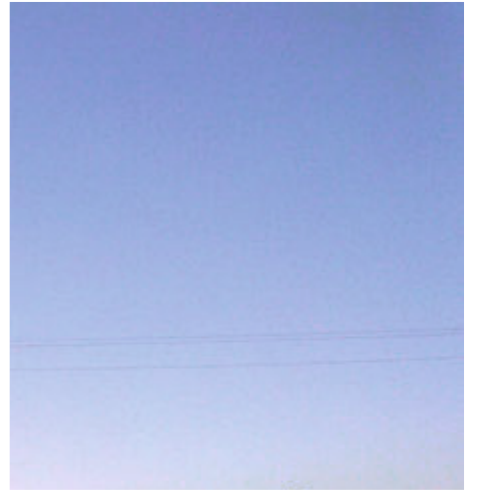
All the tools used in the application must be cleaned with epoxy thinner.

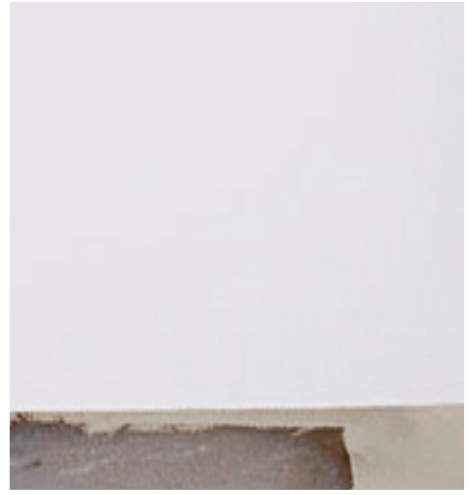
#### Consumption

500-1000 gr for painting 1 m<sup>2</sup> area.

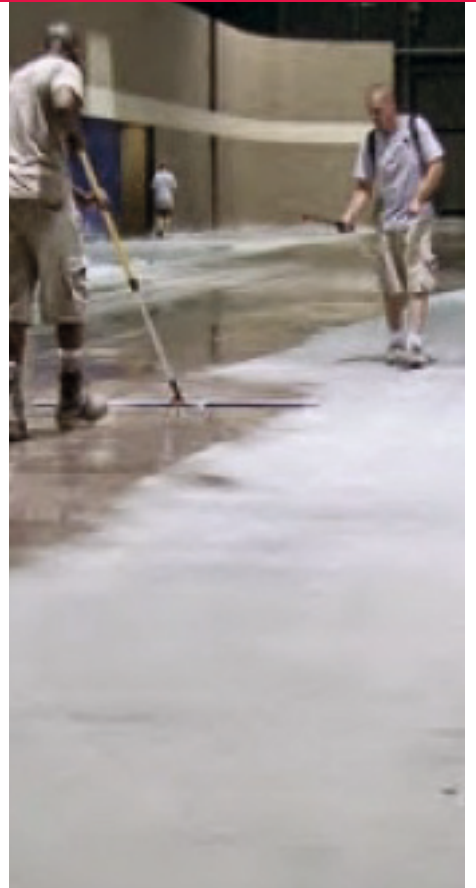
#### Packaging

A + B component 12,5 kg set





## CONCRETE CURES and SURFACE PROTECTORS



## BETOKÜR P Parrafin Based Curing and Dustproofing Agent



### Technical Specifications:

Color	: White
Appearance	: Liquid
Density	: 1.00 kg/lt
Ground Application Temperature	: +5 °C ,+30 °C
Drying Time	: 2-2.5 Hours
Flash Point	: No

Technical information correspond to the data, which were obtained at 20 °C (±2 °C ) temperature and 50+5% relative humidity.

### Description:

RECESS Betokür P is a transparent, water, parrafin based curing material, which can be applied on newly poured concrete, and manufactured for preventing concrete's rapid water loss and dust-proofing

### Areas of Use

- Indoors and outdoors actories, shopping centers, warehouses, passages etc.
- Walkways, car garages, schools, loading and unloading areas, hangars and mechanical workshops
- The product is applied on newly poured concrete or floor hardener on surfaces which are exposed to friction.

### Advantages

- It increases concrete strength.
- It is applied or sprayed on the newly poured concrete or trowel coating.
- It reduces contraction cracks.
- It reduces dusting.
- Saves one from toilsome curing methods such as canvas bag.
- It doesn't contain solvent.
- It's not flammable.

### Surface Preparation

RECESS Betokür P is applied after concrete loses its free surface water. However, you must wait for the concrete to dry completely for application.

It is applied on fresh concrete as soon as surface brightness is gone and it is hard enough to walk on it. You must pay attention to the hardness in order to avoid damaging the surface.

### Preparation Instructions

RECESS Betokür P is a ready-to-use material. Therefore, you mustn't add any additive, chemical substance etc. inside the product. You must shake the product thoroughly before application.

### Instructions for Use

RECESS Betkür P is applied by means of a brush, roll or spraying as soon as the surface loses its brightness. No residues must be left after the application.

The surface has a semi-gloss appearance after the application.

The product can not be used as a polish.

In moulded application, the concrete is applied on the surface as soon as the mould is removed. You mustn't walk on the surface until the product dries completely.

Film layer that forms on the surface must be cleaned before plaster or screed application. It can be cleaned with hot water or detergent. The product mustn't be applied under direct sunlight or rain.

### Consumption

150-200 gr/m<sup>2</sup>

It depends on wind, humidity and temperature

### Packaging

30 kg Plastic Jerrican

200 kg Barrel



### Technical Specifications:

Color	: White
Appearance	: Liquid
Density	: 1.00 kg/lit
Ground Application Temperature	: +5 °C, +30 °C
Drying Time	: 2 Hours
Flash Point	: No

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



### Description:

RECESS Betokür A is an acrylic based curing material, which is developed for preventing rapid water loss and dusting by penetrating on adsorptive surfaces such as newly poured concrete, plaster or screed, and forming a thin layer.

### Areas of Use

- Indoors and outdoors
- Factories, shopping centers, warehouses, passages etc.
- Walkways, car garages, schools, loading and unloading areas, hangars and mechanical workshops
- The product is applied on newly poured concrete or floor hardener on surfaces which are exposed to friction.

### Advantages

- It increases concrete strength.
- It is applied or sprayed on the newly poured concrete or trowel coating.
- It reduces contraction cracks.
- It reduces dusting.
- Saves one from toilsome curing methods such as canvas bag.
- It is highly resistant to severe weather conditions.
- It's not flammable.

### Surface Preparation

RECESS Betokür A is applied after concrete loses its free surface water. However, you must wait for the concrete to dry completely for application.

It is applied on fresh concrete as soon as surface brightness is gone and it is hard enough to walk on it. You must pay attention to the hardness in order to avoid damaging the surface.

### Preparation Instructions

RECESS Betokür A is a ready-to-use material. Therefore, you mustn't add any additive, chemical substance etc. inside the product. You must shake the product thoroughly before application.

### Instructions for Use

RECESS Betokür A is applied by means of a brush, roll or spraying as soon as the surface loses its brightness. No residues must be left after the application. The surface has a semi-gloss appearance after the application. The product can not be used as a polish. In moulded application, the concrete is applied on the surface as soon as the mould is removed. You mustn't walk on the surface until the product dries completely. Film layer that forms on the surface must be cleaned before plaster or screed application. It can be cleaned with hot water or detergent. The product mustn't be applied under direct sunlight or rain.

### Consumption

150-200 gr/m<sup>2</sup>

It depends on wind, humidity and temperature.

### Packaging

30 kg Plastic Jerrican

200 kg Barrel

## BETOKÜR R Resin and Solvent Based Curing Material



### Technical Specifications:

Colour	: Light Brown
Appearance	: Liquid
Density	: 0.80 kg/lt
Ground Application Temperature	: +5 °C, +30 °C
Drying Time	: 1 Hour
Flash Point Above	: +85 °C

Technical information correspond to the data, which were obtained at 20 °C (±2 °C) temperature and 50+5% relative humidity.

### Description:

RECESS Betokür R is a resin and solvent based curing material, which is developed for preventing rapid water loss by penetrating on adsorptive surfaces such as newly poured concrete, plaster or screed, and forming a thin layer.

### Areas of Use

- Indoors and outdoors
- Factories, shopping centers, warehouses, passages etc.
- Walkways, car garages, schools, loading and unloading areas, hangars and mechanical workshops
- The product is applied on newly poured concrete or floor hardener on surfaces which are exposed to friction.

### Advantages

- It increases concrete strength.
- It is applied or sprayed on the newly poured concrete or trowel coating.
- It reduces contraction cracks.
- It reduces dusting.
- Saves one from toilsome curing methods such as canvas bag.
- It is more effective compared to paraffin and acrylic based curing agents.

### Surface Preparation

RECESS Betokür R is applied after concrete loses its free surface water. However, you must wait for the concrete to dry completely for application.

It is applied on fresh concrete as soon as surface brightness is gone and it is hard enough to walk on it. You must pay attention to the hardness in order to avoid damaging the surface.

### Preparation Instructions

RECESS Betokür R is a ready-to-use material. Therefore, you mustn't add any additive, chemical substance etc. inside the product. You must shake the product thoroughly before application.

### Instructions for Use

RECESS Betokür R is applied by means of a brush, roll or spraying as soon as the surface loses its brightness. No residues must be left after the application. The surface has a semi-gloss appearance after the application. The product can not be used as a polish. In moulded application, the concrete is applied on the surface as soon as the mould is removed. You mustn't walk on the surface until the product dries completely. Film layer that forms on the surface must be cleaned before plaster or screed application. It can be cleaned with hot water or detergent.

The product mustn't be applied under direct sunlight or rain.

### Consumption

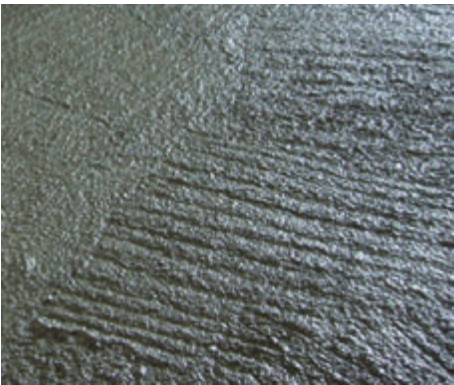
150-200 gr/m<sup>2</sup>

It depends on wind, humidity and temperature

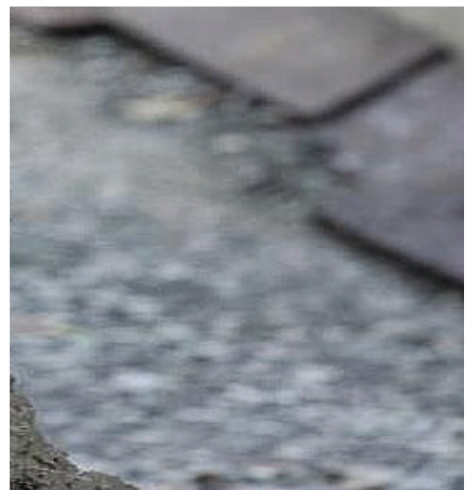
### Packaging

30 kg Plastic Jerrican

200 kg Barrel



## CONCRETE and MORTAR ADDITIVES



## Multi Purpose Liquid For Providing Adherence and Strength For Screeds and Plasters



### Technical Specifications:

Colour	: Lucent
Appearance	: Liquid
Chemical Structure	: Vinyl Copolymer Based
Density	: 1,01 Kg/lt
Rate of Solid Substance	: 10%
Ground Application Temperature	: +5 °C, +25 °C
Operating Temperature	: +5 °C, +25 °C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description:

RECESS Lateks is an acrylic based, ready-to-use, special additive developed for improving the mechanical strength of high-grade mortars and plasters, thereby providing high adherence, strength, water impermeability and flexibility.

### Areas of Use

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors
- On mortars, plasters and screeds
- As an adherence provider for coating and screed works on old concrete
- As a bonding additive for mortars, which are prepared for repair and adhesion purposes.

### Advantages

- It forms a permanent and strong bond.
- It increases resistance in freeze-thaw cycles
- It provides crack-free hardening and reduced shrinkage.
- Its adherence performance and strength is very high.
- It increases resistance to water, oil and salt solutions.
- It gives elasticity.
- It increases water-tightness.
- Solvent-free.

### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of layers like oil, grease, dirt, paint, rust, salt efflorescence, which may present surface adhesion. Textures like weak surfaces and cracked plasters, which may easily detach from the surfaces must be removed from the surface and the surface must be moisturized. Make sure that there is no water accumulation on the surface during moistening. If the product will be applied in an indoor space, ventilation must be provided. The surface must be free of solvent paint before the application.

### Preparation Instructions

5 kg and 15 kg liquid RECESS Lateks is a ready-to-use material. It must be shaken before application. Surplus RECESS Lateks is kept in its own packaging by closing its cover tightly.

### Instructions for Use

An amount of RECESS Lateks, which will be used after the shaking process, is added into the mixing water inside a clean container, and mixed until it achieves homogeneity. Water admixture rate varies between 1,1 kg and 1,4 kg according to surface condition. Prepared mixture is added into the dry mixture and mixed by means of a low speed mixer or driller in a way that it doesn't agglomerate and until it achieves a homogeneous state.

### Consumption

If it will be used with water, 1,1-1,4 kg/m<sup>2</sup> for 6l water (varies according to surface absorption and condition.)  
If it will be used directly, 6 kg/ m<sup>2</sup> is applied.  
If it will be used with repair mortar, 2,5 kg water and 2,5 kg RECESS Lateks must be added to 25kg repair mortar.

### Packaging

5 kg jerrican  
20 kg jerrican

## Plasticizing Additive Which Provides Water-tightness on Mortar and Plaster

### Technical Specifications:

Colour	: White
Appearance	: Liquid
Feature	: Plasticizer
Density	: 1,02 Kg/lt
Ground Application Temperature	: +5 °C,+25 °C
Operating Temperature	: +5 °C,+25 °C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



### Description:

RECESS CE 1 is a mortar and plaster admixture material, which provide water-tightness and easy processing properties by reacting with cement and sand in mortar and plasters, and filling capillary breaks.

### Areas of Use

- As plaster admixture for indoor and outdoor vertical applications
- The product is used with all kinds of building foundations that require water-tightness and plaster screeds of basements, retaining walls, pools, culverts, irrigation channels, terraces and similar structures.

### Advantages

- It increases water-tightness.
- It penetrates the surface deeply.
- Improves processing properties.
- Increases volume and plays a significant role in covering small cracks.
- Solvent-free.
- Increases resistance by reacting with cement.
- It can be applied on moist surfaces.
- The product increases workability of brick and stone pitching mortars.

### Surface Preparation

The surface must be free of layers like oil, grease, dirt, paint, rust, salt efflorescence, which may present surface adhesion. Textures like weak surfaces and cracked plasters, which may easily detach from the surfaces must be removed from the surface and the surface must be moisturized. Make sure that there is no water accumulation on the surface during moistening. If the product will be applied in an indoor space, ventilation must be provided. The surface must be free of solvent paint before the application.

### Preparation Instructions

5 kg and 30 kg liquid RECESS CE 1 must certainly be shaken before application. Surplus RECESS CE 1 is kept in its own packaging by closing its cover tightly.

### Instructions for Use

An amount of RECESS CE 1, which will be used after the shaking process, is added into the mixing water inside a clean container, and mixed until it achieves homogeneity.

Amount of use depends on the application area and wetness of the sand. RECESS CE 1 's amount of water admixture must b adjusted in such physical structures.

Prepared mixture is added into the dry mixture and mixed by means of a low speed mixer or driller in a way that it doesn't agglomerate and until it achieves a homogeneous state. ,

Excessive mixing is not recommended since it may cause phase separation.

### Consumption

300-750 gr/m<sup>2</sup> for 1cm plaster/screed thickness

### Packaging

5 kg jerrican  
30kg jerrican

## Concrete Anti-freezing Agent



## Technical Specifications:

Colour	: Clear Yellow
Appearance	: Liquid
Feature	: Hardening Accelerator
Chemical Structure	: Inorganic Substances
Density	: 1,15 Kg/lt
Freezing Point	: -10 °C
Chloride content	: < 0.1
Alkali Content	: >10

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

## Description:

RECESS Antfix 100 is a hardening accelerator and plasticizer concrete anti-freezing agent, which helps the concrete harden rapidly by means of quick reaction between water and cement inside the concrete, protects concrete against frost under severe weather conditions by increasing its resistance.

## Areas of Use

- In case of sudden temperature drops
- With concretes, which require rapid hardening
- When frost is expected during the night
- To protect against frost effect under cold weather conditions
- For producing all kinds of concrete

## Advantages

- It shortens starting and finishing time compared to normal concrete.
- Ready-to-use.
- Resistance to water, frost and severe weather conditions.
- It is particularly resistant to cold weather conditions.
- Chloride-free.
- It sets quickly.
- Improves processing properties.
- Increases volume and plays a significant role in covering small cracks.
- Solvent-free.
- Increases resistance by reacting with cement.

## Preparation Instructions

30 kg and 200kg liquid RECESS Antfix 100 must certainly be shaken before application.

An amount of RECESS Antfix 100, which will be used after the shaking process, is put inside a clean container, and mixed until it achieves homogeneity.

Required amount of RECESS Antfix 100 must be added to the concrete.

Remaining material is kept inside the packaging by closing the product's lid tightly.

## Instructions for Use

RECESS Antfix 100, which is ready for use, must be applied in accordance with TS EN 934-2 standard.

When quick set is required, it is recommended to use the product with 100 Kg concrete 2,5-5 Kg product ratio.

If any other plasticizer material will be used, it is recommended to add 1-2 kg product to 100 Kg concrete.

The ratio to be used depends on the concrete class and properties. The ratio to be used must be determined in advance with laboratory tests and experiments.

## Consumption

2,5 - 5 Kg for 100kg binder when applied separately.

1-2 for 100 Kg binder when applied in combination with any other plasticizer.

## Packaging

30kg jerrican  
200 kg Barrel

### Concrete Anti-freezing Agent

#### Technical Specifications:

Colour	: Brown
Appearance	: Liquid
Feature	: Hardening Accelerator
Chemical Structure	: Resistant to Inorganic Substances
Density	: 1,20 Kg/lit
Freezing Point	: -15 °C
Chloride content	: < 0.1
Alkali Content	: >10

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Antfix 200 is a hardening accelerator and plasticizer concrete anti-freezing agent, which helps the concrete harden rapidly by means of quick reaction between water and cement inside the concrete, protects concrete against frost under severe weather conditions by increasing its resistance.

#### Areas of Use

- In case of sudden temperature drops
- With concretes, which require rapid hardening
- When frost is expected during the night
- To protect against frost effect under cold weather conditions
- For producing all kinds of concrete.

#### Advantages

- It shortens starting and finishing time compared to normal concrete.
- Ready-to-use.
- Resistance to water, frost and severe weather conditions.
- It is particularly resistant to cold weather conditions.
- Chloride-free.
- It sets quickly.
- Improves processing properties.
- Increases volume and plays a significant role in covering small cracks.
- Solvent-free.
- Increases resistance by reacting with cement.

#### Preparation Instructions

30 kg and 200kg liquid RECESS Antfix 200 must certainly be shaken before application.

An amount of RECESS Antfix 200, which will be used after the shaking process, is put inside a clean container, and mixed until it achieves homogeneity.

Required amount of RECESS Antfix 200 must be added to the concrete. Remaining material is kept inside the packaging by closing the product's lid tightly.

#### Instructions for Use

RECESS Antfix 200, which is ready for use, must be applied in accordance with TS EN 934-2 standard.

When quick set is required, it is recommended to use the product with 100 Kg concrete 2,5-5 Kg product ratio.

If any other plasticizer material will be used, it is recommended to add 1-2 kg product to 100 Kg concrete.

The ratio to be used depends on the concrete class and properties. The ratio to be used must be determined in advance with laboratory tests and experiments.

#### Consumption

The product is used at the rate of concrete weight's 1 (1000g for 100kg cement).

#### Packaging

- 30kg jerrycan
- 200 kg Barrel

## Setting Accelerator Additive



### Technical Specifications:

Colour	: Clear Yellow
Appearance	: Liquid
Feature	: Hardening Accelerator
Chemical Structure	: Resistant to Inorganic Substances
Density	: 1,02 Kg/lit
Freezing Point	: 0 °C
Chloride content	: < 0.1
Operating Temperature	: +5 °C,+25 °C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description:

RECESS CE 4 is a ready to use mortar, plaster, screed and concrete admixture material suitable for climatic condition, which accelerates the setting of mortar and improves its strength by accelerating the reaction between water and cement during initial set.

### Areas of Use

- With concretes, which require rapid hardening
- For producing ready-mixed concrete with or without pump
- To protect against frost effect under col weather conditions
- For pouring prefabricated and precast concrete.

### Advantages

- Chloride-free.
- Ready-to-use.
- Resistance to water, frost and severe weather conditions.
- The product is used by mixing with cement.
- It sets quickly.
- Increases volume and plays a significant role in covering small cracks.
- Solvent-free.
- Accelerates the reaction between water and cement.
- It can be applied on moist surfaces.

### Surface Preparation

The surface must be free of layers like oil, grease, dirt, paint, rust, salt efflorescence, which may present surface adhesion. Textures like weak surfaces and cracked plasters, which may easily detach from the surfaces must be removed from the surface and the surface must be moisturized. Make sure that there is no water accumulation on the surface during moistening.

Concrete surfaces must be cleaned and roughened in order to stop severe water leaks.

The surface must be free of solvent paint before the application.

### Preparation Instructions

30 kg and 200 kg liquid RECESS CE 4 must certainly be shaken before application.

Surplus RECESS CE 4 is kept in its own packaging by closing its cover tightly.

### Instructions for Use

An amount of RECESS CE 4, which will be used after the shaking process, is put inside a clean container, and mixed until it achieves homogeneity. Using measuring cups is recommended in order to obtain a homogeneous mixture.

Cement is poured in a way that it covers the whole surface area of the material. The material is quickly mixed to obtain pastry consistency. Required amount of RECESS CE 4 must be added to the container.

Avoid applying the product under rainy or possibly rainy weather conditions. Don't add expired powder or water to hardened mortar. Use dosage must be determined according to concrete class and specifications with previously conducted laboratory tests.

### Consumption

It is used in the amount of 2,5 - 5 Kg for 100kg (Cement-Ash- Micro Silicate) binder when applied separately.

It is used in the amount of 1-2 Kg for 100 Kg binder (Cement-Ash- Micro Silicate) when applied in combination with any other plasticizer.

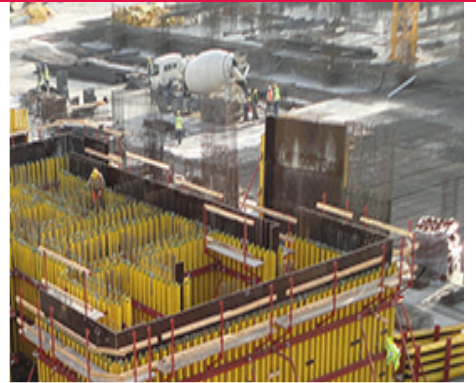
### Packaging

30kg jerrican  
200 kg Barrel





## MOLD OIL



## Steel and Plywood Mold Release Vegetable Oil



## Technical Specifications:

Color	: Clear yellow
Appearance	: Liquid
Density	: 0.86 kg/lit
Viscosity	: 26-32 CP (+20 °C)
Ground Application Temperature	: +5 °C, +30 °C
Frost Limit	: <-5 °C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

## Description:

RECESS Recesteel PS is a mineral based, mould releasing vegetable oil, which separates fresh concrete and the mould from each other within the formwork, leaving no residues and colours and concrete.

## Areas of Use

- On steel and plywood moulds, where surface contacts with concrete
- It is used for separating concrete from the mould smoothly.

## Advantages

- It is easy to use and apply.
- Provides easy application.
- It helps to release the mould easily.
- Gives a good appearance and smoothness to the surface.
- Prolongs the mould's bench life.
- It provides saving by reducing mould removing workmanship

## Surface Preparation

Mould surfaces must be thoroughly cleaned before starting the application.

You must ensure that fractures, corruptions, dirt, concrete residues from previous moulding works and chemical wastes on the mould surface are cleaned and the surface is dry.

## Preparation Instructions

RECESS Recesteel PS is a ready-to-use material. Substances such as water solvent etc. mustn't be added inside the product. The product must be shaken several times before starting the application.

## Instructions for Use

RECESS Recesteel PS, which is a ready-to-use product, must be applied on the surface homogeneously with brush, spraying or a roll. Single coat application is recommended.

For maximum performance, you must ensure that a film layer forms on the surface. Excessive use of oil must be avoided since residual oil on the surface may lead to stains on concrete.

The product must be applied 2-3 hours before the concrete is poured.

The product mustn't be applied under rainy weather conditions. RECESS Recesteel PS applied moulds must not be exposed to rain before pouring concrete.

## Consumption

30-50 gr/m<sup>2</sup> (for one coat)  
Depends on the type of mould.

## Packaging

25 kg Plastic jerrican  
185 kg Barrel

### Wooden Mould Release Vegetable Oil

#### Technical Specifications:

Color	: White
Appearance	: Liquid
Density	: 0.95 kg/lt
Chemical Structure	: Mineral based Vegetable oil
Viscosity	: 23-28 CP (+20 °C)
Ground Application Temperature	: +5 °C,+30 °C
Frost Limit	: < 0 °C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Recewood W is a vegetable oil based, mould releasing agent with emulgator and demineralized water additives, which separates fresh concrete and the mould from each other within the wooden formworks, leaving no residues and colours and concrete.

#### Areas of Use

- On wooden moulds, where surface contacts with concrete
- It is used for separating concrete from the mould smoothly.

#### Advantages

- It is easy to use and apply.
- Provides easy application.
- It is applied on adsorptive mould surfaces.
- It helps to release the mould easily.
- Gives a good appearance and smoothness to the surface.
- Prolongs the mould's bench life.
- It provides saving by reducing mould removing workmanship.

#### Surface Preparation

Mould surfaces must be thoroughly cleaned before starting the application.  
You must ensure that fractures, corrosions, dirt, concrete residues from previous moulding works and chemical wastes on the mould surface are cleaned and the surface is dry.

#### Preparation Instructions

RECESS Recewood W is a ready-to-use material. Substances such as water solvent etc. mustn't be added inside the product. The product must be shaken several times before starting the application.

#### Instructions for Use

RECESS Recewood W must be applied on the surfaces homogeneously by means of brush, spraying or roll. Two coats of application is recommended on highly adsorptive surfaces.

For maximum performance, you must ensure that a film layer forms on the surface. Excessive use of oil must be avoided since residual oil on the surface may lead to stains on concrete.

The product must be applied 2-3 hours before the concrete is poured. The product mustn't be applied under rainy weather conditions. RECESS Recewood W applied moulds must not be exposed to rain before pouring concrete.

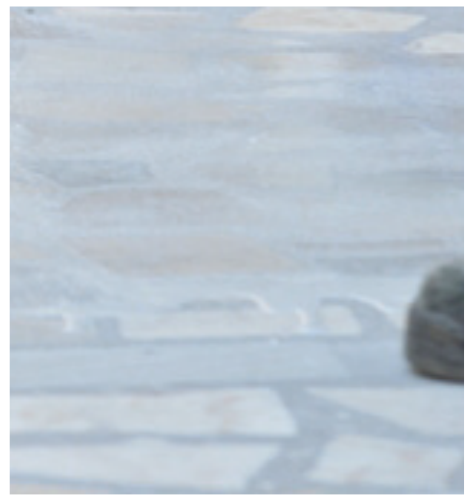
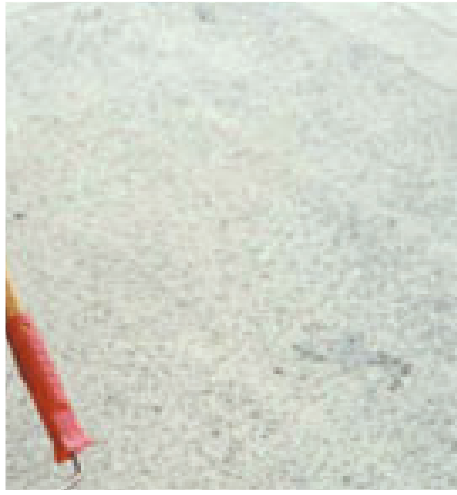
#### Consumption

30-50 gr/m<sup>2</sup> (for one coat)  
50-80 gr/m<sup>2</sup> (for two coats)

Depends on the type of mould.

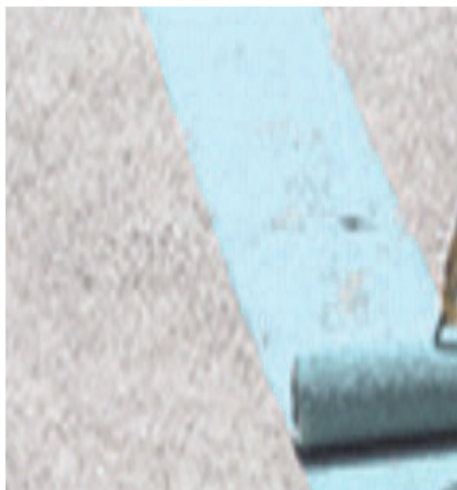
#### Packaging

30 kg Plastic jerrican  
200 kg Barrel





## PRIMERS



## Levelling Screed and Repair Mortar



### Technical Specifications:

Colour	: Lucent
Appearance	: Liquid
Chemical Structure	: Acrylic Copolymer Based
Density	: 0,95 Kg/lt
Rate of Solid Substance	: 10%
Ground Application Temperature	: +5 °C,+25 °C
Operating Temperature	: +5 °C,+25 °C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description:

RECESS Primer T is an acrylic polymer dispersion based, single component, ready-to-use priming agent developed for adsorbent surfaces, which provides high adherence and resistance on the surface it is applied.

### Areas of Use

- Indoors and outdoors
- On horizontal and vertical surfaces
- Porous concrete, fiber plates etc.
- As a pre-treatment priming agent for pasting ceramic wall floor tiles on surfaces such as plaster board etc. -
- To prevent efflorescence on application areas
- It is used as a priming agent for areas that require repair and maintenance.

### Advantages

- It is easy to apply.
- Resistance to water, frost and severe weather conditions.
- Its adherence performance and strength is very high.
- It doesn't shine.
- It penetrates the surface deeply.
- Solvent-free.
- The product is water vapour permeable.
- It can be applied on moist surfaces.

### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. Where required, application surface must be cleaned with sandblasting, pressurized water or air injection method. If the product will be applied in an indoor space, ventilation must be provided. The surface must be free of solvent paint before the application.

### Preparation Instructions

10 kg and 20kg liquid RECESS Primer T is a ready-to-use material. The product must be shaken thoroughly before starting the application. You mustn't add any additive and/or chemical substances to the ready-to-use material. Surplus product is kept in its own packaging by closing its cover tightly.

### Instructions for Use

Ready-to-use RECESS Primer T is applied on the surface directly by means of roll or brush. It is applied on the whole surface uniformly and thoroughly. Two coats of application is recommended on. RECESS Primer T primer agent must be applied 1 days before all kinds of levelling screed and/or repair mortar application. Avoid applying the product under rainy or possibly rainy weather conditions.

### Consumption

0,150-0,200 Kg/m<sup>2</sup>  
It depends on the absorbency of the surface.

### Packaging

10 kg Plastic jerrican  
20 kg Plastic jerrican

### Absorbent Surfaces and Levelling Screed Priming Agent

#### Technical Specifications:

Colour	: White
Appearance	: Liquid
Chemical Structure	: Acrylic Copolymer Based
Density	: 0,95 Kg/lit
Rate of Solid Substance	: 10%
Ground Application Temperature	: +5 °C,+25 °C
Operating Temperature	: +5 °C,+25 °C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Primer TE is an acrylic polymer dispersion based, single component, ready-to-use priming agent developed for adsorbent surfaces and levelling screeds, which increased the adherence and workability of the surface it is applied.

#### Areas of Use

- Indoors and outdoors
  - On horizontal and vertical surfaces
  - Porous concrete, fiber plates etc.
  - As a pre-treatment priming agent for pasting ceramic wall floor tiles on surfaces such as plaster board etc.
  - To prevent efflorescence on application areas
- It is used as a priming agent for areas that require repair and maintenance.

#### Advantages

- It is easy to apply.
- Resistance to water, frost and severe weather conditions.
- Its adherence performance and strength is very high.
- It doesn't shine.
- It penetrates the surface deeply.
- Solvent-free.
- The product is water vapour permeable.
- It can be applied on moist surfaces.

#### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. Where required, application surface must be cleaned with sandblasting, pressurized water or air injection method. If the product will be applied in an indoor space, ventilation must be provided. The surface must be free of solvent paint before the application.

#### Preparation Instructions

10 kg and 20kg liquid RECESS Primer TE is a ready-to-use material. The product must be shaken thoroughly before starting the application. You mustn't add any additive and/or chemical substances to the ready-to-use material. Surplus product is kept in its own packaging by closing its cover tightly.

#### Instructions for Use

Ready-to-use RECESS Primer TE is applied on the surface directly by means of roll or brush. It is applied on the whole surface uniformly and thoroughly. Two coats of application is recommended on. RECESS Primer T primer agent must be applied half an hour before all kinds of levelling screed and/or repair mortar application. Avoid applying the product under rainy or possibly rainy weather conditions.

#### Consumption

80–200 gr/ m<sup>2</sup> in self-levelling application  
 80–150 gr/ m<sup>2</sup> on absorbent surfaces to prevent moisture  
 It depends on the absorbency of the surface.

#### Packaging

10 kg Plastic jerrican

## Shiny Surfaces and Levelling Screed Priming Agent



## Technical Specifications:

Colour	: White
Appearance	: Liquid
Chemical Structure	: Acrylic Copolymer Based
Density	: 0,99 Kg/lit
Rate of Solid Substance	: 10%
Ground Application Temperature	: +5 °C,+25 °C
Operating Temperature	: +5 °C,+25 °C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

## Description:

RECESS Primer TP is an acrylic polymer dispersion based, single component, ready-to-use priming agent developed for shiny surfaces and levelling screeds, which increased the adherence and workability of the surface it is applied.

## Areas of Use

- Indoors and outdoors
- On horizontal and vertical surfaces
- Porous concrete, fiber plates etc.
- As a pre-treatment priming agent for pasting ceramic wall floor tiles on surfaces such as plaster board etc.
- To prevent efflorescence on application areas
- It is used as a priming agent for areas that require repair and maintenance.

## Advantages

- It is easy to apply.
- Resistance to water, frost and severe weather conditions.
- Its adherence performance and strength is very high.
- It doesn't shine.
- It penetrates the surface deeply.
- Solvent-free.
- The product is water vapour permeable.
- It can be applied on moist surfaces.

## Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion.

Where required, application surface must be cleaned with sandblasting, pressurized water or air injection method. If the product will be applied in an indoor space, ventilation must be provided.

The surface must be free of solvent paint before the application.

## Preparation Instructions

10 kg and 20kg liquid RECESS Primer TP is a ready-to-use material. The product must be shaken thoroughly before starting the application. You mustn't add any additive and/or chemical substances to the ready-to-use material. Surplus product is kept in its own packaging by closing its cover tightly.

## Instructions for Use

Ready-to-use RECESS Primer TP is applied on the surface directly by means of roll or brush. It is applied on the whole surface uniformly and thoroughly.

Two coats of application is recommended on. RECESS Primer TP primer agent must be applied half an hour before all kinds of levelling screed and/or repair mortar application.

Avoid applying the product under rainy or possibly rainy weather conditions.

## Consumption

80–200 gr/ m<sup>2</sup> in self-levelling application

80–150 gr/ m<sup>2</sup> on absorbent surfaces to prevent moisture

It depends on the absorbency of the surface

## Packaging

10 kg Plastic jerrycan



### New Generation Multipurpose Primer (Exposed Concrete - Plaster etc.)

#### Technical Specifications:

Colour	: Green
Appearance	: Liquid
Chemical Structure	: Acrylic Copolymer Based
Density	: 1,21 Kg/lit
Water Mixture Rate	: 50% water For 12 kg Liquid
Drying Time	: 2 Hours
Ground Application Temperature	: +5 °C,+30 °C
Application Thickness	: Between 10-40 mm

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Compact Primer an acrylic based, single-component, solvent-free priming agent, which is applied on the exposed concrete surfaces before cement and plaster application in order to improve the adherence and workability of the material.

#### Areas of Use

- Indoors and outdoors
- On vertical surfaces
- It is used as a transition lining for applying cement based materials such as plaster, lime and plaster and grout on exposed concrete surfaces.

#### Advantages

- It is easy to apply.
- Resistance to water, frost and severe weather conditions.
- Its adherence performance and strength is very high.
- It doesn't cause cracks, shrinkage, sagging and slumping during application.
- It doesn't shine.
- It improves the adherence of cement and plasters applied on exposed concrete.
- The product prevents rapid water loss of cement and plaster systems.

#### Surface Preparation

Make sure that the surface is completely cured before the application.

The surface must be clean, smooth and firm. The surface must be free of substances such as dust, oil, paint, which may prevent adhesion.

If the product will be applied in an indoor space, ventilation must be provided.

#### Preparation Instructions

30% clean water is added to 5kg,12kg and 15kg liquid RECESS Compact Primer and mixed until the mixture achieves a homogeneous structure. The product must be mixed by means of a low speed mixer or drill. Remaining amount of RECESS Compact Primer is kept inside the packaging by closing the product's lid tightly.

#### Instructions for Use

RECESS Compact Primer, which is made ready for use, is applied on the exposed concrete, surface of which is ready, by means of a pelt or roll. Therefore, air tightness in the mixture is prevented. The product must be applied as a single coat.

It is recommended that the mixture in the container is consumed within 30 minutes. Make sure that the surface is dried before applicatio.

During application, RECESS Compact Primer must be mixed at certain intervals to maintain the homogeneity of the product.

Make sure that plaster, gypsum is applied within 3 days after RECESS Compact Primer application at the latest.

#### Consumption

150-250 gr/m<sup>2</sup> on single coat

It depends on the surface structure.

#### Packaging

5 kg Bucket

12 kg Bucket

15 kg Bucket

## Ceramic Chipper Primer Agent



## Technical Specifications:

Color	: Blue
Appearance	: Liquid
Density	: 1,35 Kg/ lt
Bond Strength	: $\geq 0,9$ N/mm <sup>2</sup>
Ceramic Application Time	: Min. 4,5 hours
Ground Application Temperature	: +5 °C, +30 °C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

## Description:

RECESS Recestar is an acrylic based, single-component primer, which is used to increase the adherence of the surface for ceramic surface applications and form a ground for the material to be applied.

## Areas of Use

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors
- On smooth and shiny surfaces such as gross concrete, sandstone, marble, clinker, plywood.
- It is used as transition lining for ceramic application on ceramic surfaces.

## Advantages

- It is easy to prepare and apply.
- Resistance to water, frost and severe weather conditions.
- Its adherence performance and strength is very high.
- It doesn't shine.
- It doesn't cause cracks, shrinkage, sagging and slumping during application.

## Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion.

If the product will be applied in an indoor space, ventilation must be provided.

Make sure that the surface is dry during application.

## Preparation Instructions

RECESS Recestar, which is contained in 5kg plastic buckets in liquid form, is mixed until it becomes homogeneous.

The product must be mixed by means of a low speed mixer or drill. Also, during application, RECESS Recestar must be mixed at certain intervals to maintain its homogeneity. No substances, water etc. mustn't added inside the product.

## Instructions for Use

RECESS Recestar, which is made ready for use, is applied on the tile, surface of which is ready, by means of a pelt or roll. It is recommended that the mixture in the container is consumed within 20 minutes. Make sure that the surface is dried before application. During application, RECESS Recestar must be mixed at certain intervals to maintain the homogeneity of the product. The product must be applied as double coat. Tile application must be started within 24-48 hours after RECESS Recestar application.

## Consumption

200-250 gr/m<sup>2</sup> on single coat

It depends on the surface structure

## Packaging

5 Kg Plastic Bucket

### Decorative Plaster Lining Agent

#### Technical Specifications:

Colour	: White
Appearance	: Liquid
Chemical Structure	: Acrylic Copolymer Based
Density	: 1,50 Kg/lt
Rate of Solid Substance	: 10%
Ground Application Temperature	: +5 °C,+25 °C
Operating Temperature	: +5 °C,+25 °C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Primer 190 is an acrylic polymer dispersion based, ready-to-use copolymer lining agent with high alkali resistance and adherence, which is used for improving the bond strength before final plaster coating.

#### Areas of Use

- Indoors and outdoors
- On horizontal and vertical surfaces
- In order to prevent the plaster on the surface from bonding and cracking
- The product is also used for improving adherence before the application of final plaster coating on exterior thermal insulation systems.

#### Advantages

- It is easy to apply.
- Resistant to thermal shocks.
- Resistance to water, frost and severe weather conditions.
- Its adherence performance and strength is very high.
- It doesn't shine.
- It penetrates the surface deeply.
- Solvent-free.
- The product is water vapour permeable.
- It can be applied on moist surfaces.

#### Surface Preparation

Make sure that the surface is completely cured before the application. The surface must be clean, smooth and firm. The surface must be free of substances such as dust, oil, paint, which may prevent adhesion. If the product will be applied in an indoor space, ventilation must be provided. The surface must be free of solvent paint before the application.

#### Preparation Instructions

Ready-to-use RECESS Primer 190 lining agent is contained in 20kg plastic buckets. The product must be thoroughly shaken before application, and adding water into the water must be strictly avoided. After shaking operation, required amount of RECESS Primer 190, is poured into a clean container. Remaining amount of RECESS Primer 190 is kept inside the packaging by closing the product's lid tightly.

#### Instructions for Use

RECESS Primer 190 lining must be applied approximately 1 hour before the application of decorative plaster is started. Ready-to-use RECESS Primer 190 is applied on the surface directly by means of roll or brush. It is applied on the whole surface uniformly and thoroughly. Two coats of application is recommended especially on highly adsorptive surfaces. Absorbency of the application surface decreases considerably. Avoid applying the product under rainy or possibly rainy weather conditions. Drying time is longer under humid weather conditions. The period becomes longer at lower temperatures, and shortens at higher temperatures. Under normal conditions, decorative plaster is applied about 20-30 minutes after the application.

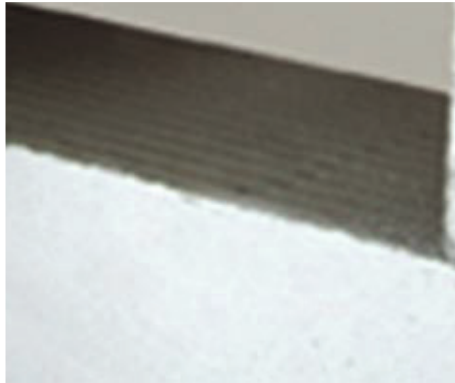
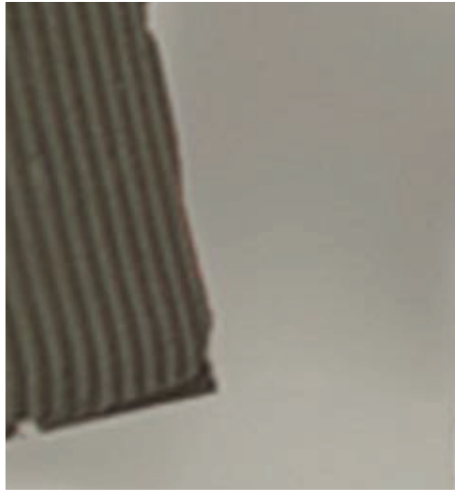
#### Consumption

150-200 gr/m<sup>2</sup> on single coat  
It depends on the absorbency of the surface.

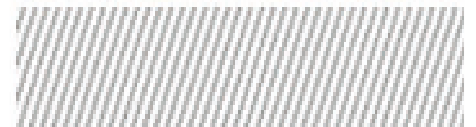
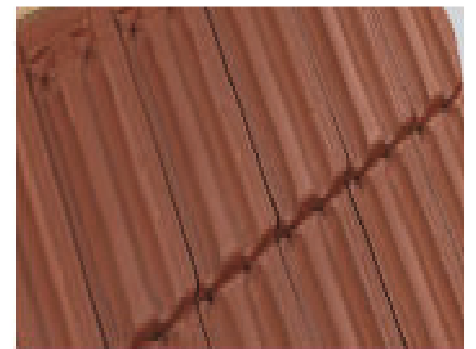
#### Packaging

20 kg jerrican





## CEMENT BASED ADHESIVES



## Gas Concrete and Bims Brick Adhesive



## Technical Specifications:

Quality Standards Compliance	: 1.(Normal Curing )
Colour	: Grey
Appearance	: Fine Powder
Density	: 1.39 kg/lt
Water Mixture Rate	: 8- -8.5 lt water
	For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 1.5-2 Hours
Make Up Time	: 20 minutes
Ground Application Temperature	: +5 °C,+30 °C
Compressive Strength	: ≥5 N/mm <sup>2</sup> (28 Days)
Bending Strength	: ≥ 3 N/mm <sup>2</sup> (28 Days)

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

## Description:

RECESS Gaz Beton YP is a cement based, single-component, polymer-added, high performance adhesive mortar, which has been developed specially for the adhesion of gas concrete, bims brick, hollow concrete, glass brick products.

## Areas of Use

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors
- The product is used for the adhesion of highly absorptive construction elements such as gas concrete, bims brick, hollow concrete, decorative and glass brick.

## Advantages

- It is easy to prepare and apply.
- Provides easy application.
- Resistant to water and moisture.
- Its adherence performance is high.
- Durable and long-lasting.
- It prevents quick setting on highly absorptive surfaces.

## Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. Make sure that the highly absorbent surfaces are moistened before the application and this moisture level is maintained during application. Make sure that there is no water accumulation on the surface during moistening.

## Preparation Instructions

25kg powder RECESS Gaz Beton YP must be added to 8-8.5 clean water in a clean container, and mixed by means of a low speed mixer or drill in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 1.5-2 hours.

## Instructions for Use

RECESS Gaz Beton YP mortar, which is made ready for use, is applied on the surface firmly by means of a trowel in order to form a layer. The mortar applied on the adhesion surface is raked with a toothed trowel, type and/or dimensions of which, is suitable to the type of the gas concrete. (10x10 width )After maximum 25 minutes, tiles are pasted on the mortar by pressing tightly. At least 90% of back surfaces of gas concrete must contact with the mortar. A better adhesion performance can be achieved by hitting on the gas concretes with a plastic mallet. Lower and side surfaces of gas concretes on the first line, which will be used on the application area, are soaked with water and placed on the surface firmly. This process is not necessary for the next lines.

## Consumption

3 - 5 Kg/m<sup>2</sup>  
Depends on the size of gas concrete.

## Packaging

25 Kg Kraft sack

### Roof Ridge and Tile Adhesive Mortar

#### Technical Specifications:

Quality Standards Compliance	: 1.(Normal Curing )
Colour	: Red to Match Roof Tile
Appearance	: Fine Powder
Density	: 1.56 kg/lt
Water Mixture Rate	: 6- 7 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 1-2 Hours
Make Up Time	: 15 minutes
Ground Application Temperature	: +5 °C,+30 °C
Compressive Strength	: ≥0,2 N/mm <sup>2</sup>

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Mahya YP is a cement based, polymer reinforced high performance adhesive mortar, which is specially developed for bonding ridge tiles to other tiles.

#### Areas of Use

- All kinds of tiled roofs
- The product is used to bond ridges and tiles easily.

#### Advantages

- It is easy to prepare and apply.
- Provides easy application.
- Resistant to water and moisture.
- Its adherence performance is high.
- Durable and long-lasting.
- The product is not adversely affected by harmful rays of the sun thanks to its iron oxide tile red.
- It provides continuous waterproofing since it prevents formation of cracks.

#### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion.

#### Preparation Instructions

25kg powder RECESS Mahya YP must be added to 6-7 clean water in a clean container, and mixed by means of a low speed mixer or drill in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 2 minutes.

#### Instructions for Use

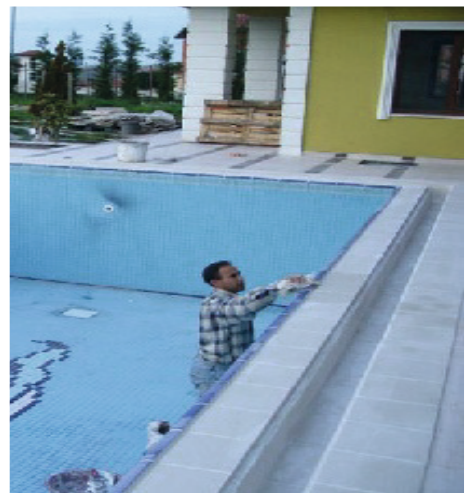
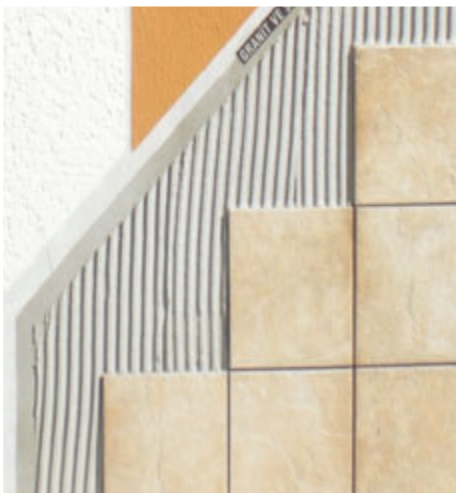
RECESS Mahya YP mortar, which is made ready for use, is applied on the surface firmly by means of a trowel in order to form a layer. Ridges are placed on the roof ground and bonded to each other from their recesses by applying ridge adhesive. Sides of the ridge are filled with the adhesive without leaving any gaps. The adhesive must be wiped with a damp sponge approximately 1 hour after this application.

#### Consumption

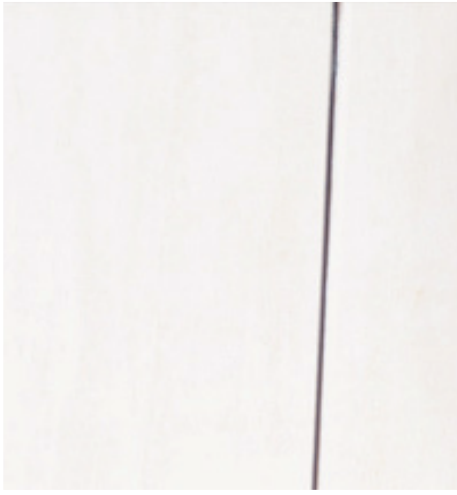
In Marseilles type roof application, 1 Kg for each ridge  
In highly curved and shaped roof application, 2 Kg for each tile

#### Packaging

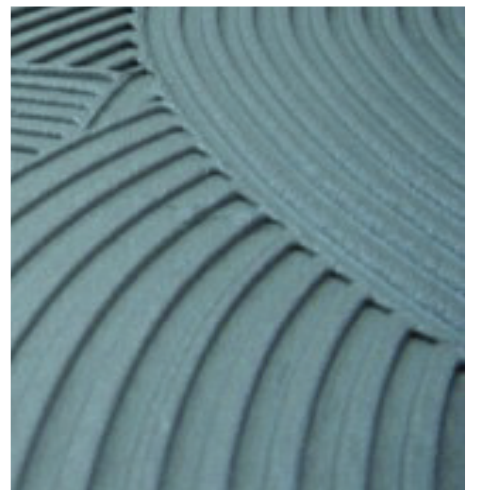
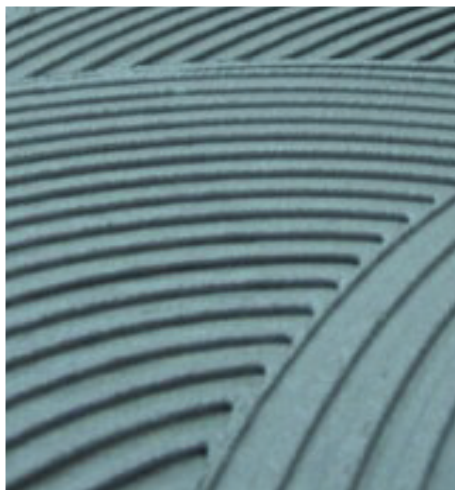
25 Kg Kraft sack







## CERAMIC, GRANIT, PORCELAIN ADHESIVES



Tile and Ceramic Adhesive



**Technical Specifications:**

Quality Standards Compliance	: C1.(Normal Curing )
Colour	: Grey
Appearance Fine Powder	
Density	: 1.64 kg/lt
Water Mixture Rate	: 7- -8 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 1-1.5 Hours
Crustation Time	: 15 minutes
Ground Application Temperature	: +5 °C ,+30 °C
Initial Shrinkage Adhesion Strength	: ≥0,50 N/mm <sup>2</sup>
After Immersion in Water Tensile Adhesive Strength	: ≥0,50 N/mm <sup>2</sup>
After Thermal Ageing Tensile Adhesive Strength	: ≥0,50 N/mm <sup>2</sup>
Freeze-Thaw Cycle Tensile Adhesive Strength	: ≥0,50 N/mm <sup>2</sup>
Shear	: ≤0,5 mm

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

**Description:**

RECESS Recesera Grey is a cement based, polymer added, single-component adhesive mortar with high adhesion qualities, which has been developed for bonding tiles and ceramics.

**Areas of Use**

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors
- Applications on concrete or screed floor surfaces.
- The product is used for the adhesion of maximum 33x33 cm ceramics and tiles.

**Advantages**

- It is easy to prepare and apply.
- Provides easy application.
- Its adherence performance is high.
- Durable and long-lasting.

**Surface Preparation**

You must ensure that the surface achieved the required strength. The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. Make sure that the highly absorbent surfaces are moistened before the application and this moisture level is maintained during application. Make sure that there is no water accumulation on the surface during moistening. Surfaces which require repair must be filled with RECESS 5/10 repair mortar and graded 3-4 days before the application.

**Preparation Instructions**

25 kg powder RECESS Recesera Grey must be added to 7-8 clean water in a clean container, and mixed by means of a low speed mixer or drill in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 1-1.5 hours.

**Instructions for Use**

RECESS Recesera Grey, which is made ready for use, is applied on the surface firmly by means of a trowel in order to form a layer. The mortar applied on the adhesion surface is raked with a toothed trowel, type and/or dimensions of which, is suitable to the type of the tile. After maximum 15 minutes, tile is pasted on the mortar by pressing tightly. At least 90% of back surfaces of tiles must contact with the mortar. A better adhesion performance can be achieved by hitting on the tiles with a plastic mallet. The product can be applied on both sides of the tiles with mortar depending on the types, dimensions of the tile and condition of the application surface. For exterior applications, it is recommended to add RECESS Lateks adherence enhancing agent to the mortar water for a better adhesion performance. Joint application must be made after 24 hours for horizontal, after 48 hours for vertical surfaces.

**Consumption**

3,5 - 4 Kg/m<sup>2</sup> (with 6mm notched trowel)

**Packaging**

25 Kg Kraft sack

### Extra Tile and Ceramic Adhesive

#### Technical Specifications:

Quality Standards Compliance	: C1T(normal hardening with reduced slipping)
Colour	: Grey
Appearance	: Fine Powder
Density	: 1.59 kg/lit
Water Mixture Rate	: 7- -8 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Working Time	: 2-2.5 Hours
Crustation Time	: 20 minutes
Ground Application Temperature	: +5 °C ,+30 °C
Initial Shrinkage Adhesion Strength	: ≥0,80 N/mm <sup>2</sup>
After Immersion in Water	
Tensile Adhesive Strength	: ≥0,85 N/mm <sup>2</sup>
After Thermal Aging	
Tensile Adhesive Strength	: ≥0,60 N/mm <sup>2</sup>
Freeze-Thaw Cycle	
Tensile Adhesive Strength	: ≥0,65 N/mm <sup>2</sup>
Extended Exposed Waiting Period	
Tensile Adhesive Strength	
Min. After 30 minutes	: 0.50 N/mm <sup>2</sup>

Technical information correspond to the data, which were obtained at 20°C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Extra Ceramix YP is a cement based, powder resin added, single-component adhesive mortar with high adhesion qualities, which has been developed for the adhesion of tiles and ceramics with reduced slipping performance.

#### Areas of Use

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors
- Applications on concrete or screed floor surfaces. -
- The product is used for the adhesion of maximum 40x60 cm ceramics and tiles.

#### Advantages

- It is easy to prepare and apply.
- Provides easy application.
- Its adherence performance is high.
- Durable and long-lasting.

#### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. Make sure that the highly absorbent surfaces are moistened before the application and this moisture level is maintained during application. Make sure that there is no water accumulation on the surface during moistening. Surfaces which require repair must be filled with RECESS 5/10 repair mortar and graded 3-4 days before the application.

#### Preparation Instructions

25 kg powder RECESS Extra Ceramix YP must be added to 7-8 clean water in a clean container, and mixed by means of a low speed mixer or drill in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 2-2.5 hours.

#### Instructions for Use

RECESS Extra Ceramix YP, which is made ready for use, is applied on the surface firmly by means of a trowel in order to form a layer. The mortar applied on the adhesion surface is raked with a toothed trowel, type and/or dimensions of which, is suitable to the type of the tile. After maximum 20 minutes, tile is pasted on the mortar by pressing tightly. At least 90% of back surfaces of tiles must contact with the mortar. A better adhesion performance can be achieved by hitting on the tiles with a plastic mallet. The product can be applied on both sides of the tiles with mortar depending on the types, dimensions of the tile and condition of the application surface. For exterior applications, it is recommended to add RECESS Lateks adherence enhancing agent to the mortar water for a better adhesion performance. Joint application must be made after 24 hours for horizontal, after 48 hours for vertical surfaces.

#### Consumption

4 – 4,5 Kg/m<sup>2</sup> (with 6mm notched trowel)

#### Packaging

25 Kg Kraft sack

## Extra Tile and Ceramic Adhesive



### Technical Specifications:

Quality Standards Compliance	: C1T(normal hardening with reduced slipping)
Colour	: White
Appearance	: Fine Powder
Density	: 1.30 kg/ltr
Water Mixture Rate	: 7.5-8 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Working Time	: 2-2.5 Hours
Crustation Time	: 20 minutes
Ground Application Temperature	: +5 °C,+30 °C
Initial Shrinkage Adhesion Strength	: $\geq 0,75$ N/mm <sup>2</sup>
After Immersion in Water Tensile Adhesive Strength	: $\geq 0,75$ N/mm <sup>2</sup>
After Thermal Aging Tensile Adhesive Strength	: $\geq 0,75$ N/mm <sup>2</sup>
Freeze-Thaw Cycle Tensile Adhesive Strength	: $\geq 0,75$ N/mm <sup>2</sup>
Extended Exposed Waiting Period Tensile Adhesive Strength	: $\geq 0,75$ N/mm <sup>2</sup>
Min. After 30 minutes	: 0.60 N/mm <sup>2</sup>

Technical information correspond to the data, which were obtained at 20°C(±2°C) temperature and 50+5% relative humidity.

### Description:

RECESS Extra Ceramix YP is a white cement based, powder resin added, single-component adhesive mortar with high adhesion qualities, which has been developed for the adhesion of tiles and ceramics with reduced slipping performance.

### Areas of Use

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors
- Applications on concrete or screed floor surfaces.
- The product is used for the adhesion of maximum 40x60 cm ceramics and tiles.

### Advantages

- It is easy to prepare and apply.
- The product is suitable for self jointed applications.
- Its adherence performance is high.
- Durable and long-lasting.

### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion.

Make sure that the highly absorbent surfaces are moistened before the application and this moisture level is maintained during application. Make sure that there is no water accumulation on the surface during moistening.

Surfaces which require repair must be filled with RECESS 5/10 repair mortar and graded 3-4 days before the application.

### Preparation Instructions

25kg powder RECESS Extra Ceramix YP must be added to 7-8 clean water in a clean container, and mixed by means of a low speed mixer or drill in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 2-2.5 hours.

### Instructions for Use

RECESS Extra Ceramix YP, which is made ready for use, is applied on the surface firmly by means of a trowel in order to form a layer. The mortar applied on the adhesion surface is raked with a toothed trowel, type and/or dimensions of which, is suitable to the type of the tile. After maximum 20 minutes, tile is pasted on the mortar by pressing tightly.

At least 90% of back surfaces of tiles must contact with the mortar. A better adhesion performance can be achieved by hitting on the tiles with a plastic mallet.

The product can be applied on both sides of the tiles with mortar depending on the types, dimensions of the tile and condition of the application surface.

For exterior applications, it is recommended to add RECESS Lateks adherence enhancing agent to the mortar water for a better adhesion performance.

Joint application must be made after 24 hours for horizontal, after 48 hours for vertical surfaces.

### Consumption

3.5 – 4 Kg/m<sup>2</sup> (with 6mm notched trowel)

### Packaging

25 Kg Kraft sack

### Extra Plus Tile and Ceramic Adhesive

#### Technical Specifications:

Quality Standards Compliance	: C1TE(with normal hardening, reduced slipping and extended working time))
Colour	: Grey
Appearance	: Fine Powder
Density	: 1.53kg/lit
Water Mixture Rate	: 8- 8.5 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Working Time	: 2.5-3 Hours
Crustation Time	: 30 minutes
Ground Application Temperature	: +5 °C,+30 °C
Initial Shrinkage Adhesion Strength	: $\geq 0,75 \text{ N/mm}^2$
After Immersion in Water Tensile Adhesive Strength	: $\geq 0,75 \text{ N/mm}^2$
After Thermal Ageing Tensile Adhesive Strength	: $\geq 0,75 \text{ N/mm}^2$
Freeze-Thaw Cycle Tensile Adhesive Strength	: $\geq 0,75 \text{ N/mm}^2$
Extended Exposed Waiting Period Tensile Adhesive Strength	: $\geq 0,75 \text{ N/mm}^2$
Min. After 30 minutes	: 0.75 N/mm <sup>2</sup>

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Extra Plus Ceramix YP is a white cement based, powder resin added, single-component adhesive mortar with high adhesion qualities, which has been developed for the adhesion of tiles and ceramics with reduced slipping performance.

#### Areas of Use

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors
- Applications on concrete or screed floor surfaces.
- The product is used for the adhesion of maximum 60x60 cm ceramics and tiles.

#### Advantages

- It is easy to prepare and apply.
- Provides easy application.
- Its adherence performance is high.
- Durable and long-lasting.

#### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. Make sure that the highly absorbent surfaces are moistened before the application and this moisture level is maintained during application. Make sure that there is no water accumulation on the surface during moistening. Surfaces which require repair must be filled with RECESS 5/10 repair mortar and graded 3-4 days before the application.

#### Preparation Instructions

25 kg powder RECESS Extra Plus Ceramix YP Plus must be added to 8-8.5 clean water in a clean container, and mixed by means of a low speed mixer or driller in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 2.5-3 hours.

#### Instructions for Use

RECESS Extra Plus Ceramix YP, which is made ready for use, is applied on the surface firmly by means of a trowel in order to form a layer. The mortar applied on the adhesion surface is raked with a toothed trowel, type and/or dimensions of which, is suitable to the type of the tile. After maximum 20 minutes, tile is pasted on the mortar by pressing tightly. At least 90% of back surfaces of tiles must contact with the mortar. A better adhesion performance can be achieved by hitting on the tiles with a plastic mallet. The product can be applied on both sides of the tiles with mortar depending on the types, dimensions of the tile and condition of the application surface. For exterior applications, it is recommended to add RECESS Lateks adherence enhancing agent to the mortar water for a better adhesion performance. Joint application must be made after 24 hours for horizontal, after 48 hours for vertical surfaces.

#### Consumption

3.5 – 4 Kg/m<sup>2</sup> (with 6mm notched trowel)

#### Packaging

25 Kg Kraft sack

## Tile and Ceramic Adhesive



## Technical Specifications:

Quality Standard Compliance	: C2TSI (Increased performance, reduced slipping, flexible)
Colour	: Grey
Appearance	: Fine Powder
Density	: 1.48 kg/lt
Water Mixture Rate	: 7- 8 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 2.5-3 Hours
Crustation Time	: 35 minutes
Ground Application Temperature	: +5 °C+30 °C
Initial Shrinkage Adhesion Strength	: ≥1 N/mm <sup>2</sup>
After Immersion in Water	
Tensile Adhesive Strength	: ≥1 N/mm <sup>2</sup>
After Thermal Ageing	
Tensile Adhesive Strength	: ≥1 N/mm <sup>2</sup>
Freeze-Thaw Cycle	
Tensile Adhesive Strength	: ≥1 N/mm <sup>2</sup>
Extended Exposed Waiting Period	
Tensile Adhesive Strength	
Min. After 30 minutes	: 1 N/mm <sup>2</sup>
Shear	: ≤0,5 mm

Technical information correspond to the data, which were obtained at 20 °C(±2°C) temperature and 50+5% relative humidity.

## Description:

RECESS Flex Granit YP is a cement based, single component, polymer added, high performance, flexible adhesive mortar with extra properties, reduced slipping level, which has been developed for the adhesion of products such as granite stone, special and artificial stone, ceramic porcelain, glass, mosaic, clinker etc.

## Areas of Use

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors
- Applications on concrete or screed floor surfaces.
- The product is used for the adhesion of maximum 60x60 cm ceramics and tiles.
- For the adhesion of granite, ceramic, glass, mosaic, porcelain.

## Advantages

- It is easy to prepare and apply.
- Provides easy application.
- Its adherence performance is high.
- Resistant to water and moisture.
- Durable and long-lasting.

## Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion.

Make sure that the highly absorbent surfaces are moistened before the application and this moisture level is maintained during application. Make sure that there is no water accumulation on the surface during moistening.

Surfaces which require repair must be filled with RECESS 5/10 repair mortar and graded 3-4 days before the application.

## Preparation Instructions

25 kg powder RECESS Flex Granit YP must be added to 7-8 clean water in a clean container, and mixed by means of a low speed mixer or drill in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 2.5-3 hours.

## Instructions for Use

RECESS Flex Granit YP, which is made ready for use, is applied on the surface firmly by means of a trowel in order to form a layer. The mortar applied on the adhesion surface is raked with a toothed trowel, type and/or dimensions of which, is suitable to the type of the tile. After maximum 35 minutes, tile is pasted on the mortar by pressing tightly. At least 90% of back surfaces of tiles must contact with the mortar. A better adhesion performance can be achieved by hitting on the tiles with a plastic mallet. The product can be applied on both sides of the tiles with mortar depending on the types, dimensions of the tile and condition of the application surface. For exterior applications, it is recommended to add RECESS Lateks adherence enhancing agent to the mortar water for a better adhesion performance. Joint application must be made after 24 hours for horizontal, after 48 hours for vertical surfaces.

## Consumption

4 – 4,5 Kg/m<sup>2</sup> (with 6mm notched trowel)

## Packaging

25 Kg Kraft sack

### Tile and Ceramic Adhesive (White)

#### Technical Specifications:

Quality Standard Compliance	: C2TSI (Increased performance, reduced slipping, flexible)
Colour	: White
Appearance	: Fine Powder
Density	: 1.50 kg/lit
Water Mixture Rate	: 8-9 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 2.5-3 Hours
Crustation Time	: 35 minutes
Ground Application Temperature	: +5 °C+30 °C
Initial Shrinkage Adhesion Strength	: $\geq 1,25 \text{ N/mm}^2$
After Immersion in Water	
Tensile Adhesive Strength	: $\geq 1,25 \text{ N/mm}^2$
After Thermal Aging	
Tensile Adhesive Strength	: $\geq 1,25 \text{ N/mm}^2$
Freeze-Thaw Cycle	
Tensile Adhesive Strength	: $\geq 1,25 \text{ N/mm}^2$
Extended Exposed Waiting Period	
Tensile Adhesive Strength	: 1 N/mm <sup>2</sup>
Min. After 30 minutes	: $\leq 0,5 \text{ mm}$
Shear	

Technical information correspond to the data, which were obtained at 20 °C (±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Flex Granit YP White is a cement based, single component, polymer added, high performance, flexible adhesive mortar with extra properties, reduced slipping level, which has been developed for the adhesion of products such as granite stone, special and artificial stone, ceramic porcelain, glass, mosaic, clinker etc.

#### Areas of Use

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors
- Applications on concrete or screed floor surfaces.
- The product is used for the adhesion of maximum 60x60 cm ceramics and tiles.
- For the adhesion of granite, ceramic, glass, mosaic, porcelain.

#### Advantages

- It is easy to prepare and apply.
- Provides easy application.
- Its adherence performance is high.
- The product is suitable for self jointed applications.
- Resistant to water and moisture.
- Durable and long-lasting.

#### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. Make sure that the highly absorbent surfaces are moistened before the application and this moisture level is maintained during application. Make sure that there is no water accumulation on the surface during moistening. Surfaces which require repair must be filled with RECESS 5/10 repair mortar and graded 3-4 days before the application.

#### Preparation Instructions

25 kg powder RECESS Flex Granit YP White must be added to 8-9 clean water in a clean container, and mixed by means of a low speed mixer or drill in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 2.5-3 hours.

#### Instructions for Use

RECESS Flex Granit YP, which is made ready for use, is applied on the surface firmly by means of a trowel in order to form a layer. The mortar applied on the adhesion surface is raked with a toothed trowel, type and/or dimensions of which, is suitable to the type of the tile. After maximum 35 minutes, tile is pasted on the mortar by pressing tightly. At least 90% of back surfaces of tiles must contact with the mortar. A better adhesion performance can be achieved by hitting on the tiles with a plastic mallet. The product can be applied on both sides of the tiles with mortar depending on the types, dimensions of the tile and condition of the application surface. For exterior applications, it is recommended to add RECESS Lateks adherence enhancing agent to the mortar water for a better adhesion performance. Joint application must be made after 24 hours for horizontal, after 48 hours for vertical surfaces.

#### Consumption

4 – 4,5 Kg/m<sup>2</sup> (with 6mm notched trowel)

#### Packaging

25 Kg Kraft sack

Flexible Tile and Ceramic Adhesive



**Technical Specifications:**

Quality Standard Compliance	: C2TES1 (Increased performance, flexible, reduced slipping)
Colour	: White
Appearance	: Fine Powder
Density	: 1.36 kg/lit
Water Mixture Rate	: 7- 8 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 2.5-3 Hours
Crustation Time	: 35 minutes
Ground Application Temperature	: +5 °C,+30 °C
Initial Shrinkage Adhesion Strength	: $\geq 1,25 \text{ N/mm}^2$
After Immersion in Water Tensile Adhesive Strength	: $\geq 1,25 \text{ N/mm}^2$
After Thermal Aging Tensile Adhesive Strength	: $\geq 1,25 \text{ N/mm}^2$
Freeze-Thaw Cycle Tensile Adhesive Strength	: $\geq 1,25 \text{ N/mm}^2$
Extended Exposed Waiting Period Tensile Adhesive Strength	: $\geq 1,25 \text{ N/mm}^2$
Min. After 30 minutes	: 1 N/mm <sup>2</sup>

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

**Description:**

RECESS Flexible Ceramic YP White is a cement based, single-component, flexible tile and ceramic adhesion mortar with powder resin and polymer reinforcement, increased adhesive strength, high quality, additional properties and extended working time.

**Areas of Use**

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors
- Applications on concrete or screed floor surfaces. -
- On floor heating systems
- Ceramic application on ceramic surfaces
- For the adhesion of granite, ceramic, glass, mosaic, porcelain.

**Advantages**

- It is easy to prepare and apply.
- The product is flexible.
- Its adherence performance is high.
- The product is suitable for self jointed applications.
- It doesn't cause slipping on vertical applications.
- Resistant to water and moisture.
- Durable and long-lasting.

**Surface Preparation**

You must ensure that the surface achieved the required strength. The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. Make sure that the highly absorbent surfaces are moistened before the application and this moisture level is maintained during application. Make sure that there is no water accumulation on the surface during moistening. Surfaces which require repair must be filled with RECESS 5/10 repair mortar and graded 3-4 days before the application.

**Preparation Instructions**

25 kg powder RECESS Flexible Ceramic YP White must be added to 7-8 clean water in a clean container, and mixed by means of a low speed mixer or driller in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 2.5-3 hours.

**Instructions for Use**

RECESS Flexible Ceramic YP White, which is made ready for use, is applied on the surface firmly by means of a trowel in order to form a layer. The mortar applied on the adhesion surface is raked with a toothed trowel, type and/or dimensions of which, is suitable to the type of the tile. After maximum 35 minutes, tile is pasted on the mortar by pressing tightly. At least 90% of back surfaces of tiles must contact with the mortar. A better adhesion performance can be achieved by hitting on the tiles with a plastic mallet. The product can be applied on both sides of the tiles with mortar depending on the types, dimensions of the tile and condition of the application surface. For exterior applications, it is recommended to add RECESS Lateks adherence enhancing agent to the mortar water for a better adhesion performance. Joint application must be made after 24 hours for horizontal, after 48 hours for vertical surfaces.

**Consumption**

4 – 4,5 Kg/m<sup>2</sup> (with 6mm notched trowel)

**Packaging**

25 Kg Kraft sack



### Flexible Tile and Ceramic Adhesive

#### Technical Specifications:

Quality Standard Compliance	: C2TES1 (Increased performance, flexible, reduced slipping)
Colour	: Grey
Appearance	: Fine Powder
Density	: 1.44 kg/lt
Water Mixture Rate	: 7-8 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 2.5-3 Hours
Crustation Time	: 35 minutes
Ground Application Temperature	: +5 °C,+30 °C
Initial Shrinkage Adhesion Strength	: $\geq 1$ N/mm <sup>2</sup>
After Immersion in Water Tensile Adhesive Strength	: $\geq 1$ N/mm <sup>2</sup>
After Thermal Aging Tensile Adhesive Strength	: $\geq 1$ N/mm <sup>2</sup>
Freeze-Thaw Cycle Tensile Adhesive Strength	: $\geq 1$ N/mm <sup>2</sup>
Extended Exposed Waiting Period Tensile Adhesive Strength	: $\geq 1$ N/mm <sup>2</sup>
Min. After 30 minutes	: 1 N/mm <sup>2</sup>

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Flexible Ceramic YP Grey is a cement based, single-component, flexible tile and ceramic adhesion mortar with powder resin and polymer reinforcement, increased adhesive strength, high quality, additional properties and extended working time.

#### Areas of Use

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors
- Applications on concrete or screed floor surfaces.
- On floor heating systems
- Ceramic application on ceramic surfaces
- For the adhesion of granite, ceramic, glass, mosaic, porcelain.

#### Advantages

- It is easy to prepare and apply.
- The product is flexible.
- Its adherence performance is high.
- It doesn't cause slipping on vertical applications.
- Resistant to water and moisture.
- Durable and long-lasting.

#### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. Make sure that the highly absorbent surfaces are moistened before the application and this moisture level is maintained during application. Make sure that there is no water accumulation on the surface during moistening. Surfaces which require repair must be filled with RECESS 5/10 repair mortar and graded 3-4 days before the application.

#### Preparation Instructions

25 kg powder RECESS Flexible Ceramic YP Grey must be added to 7-8 clean water in a clean container, and mixed by means of a low speed mixer or drill in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 2.5-3 hours.

#### Instructions for Use

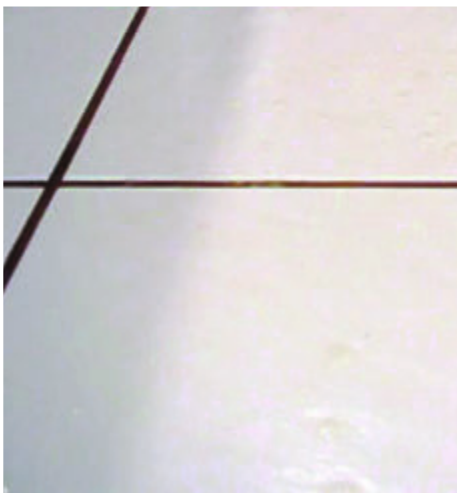
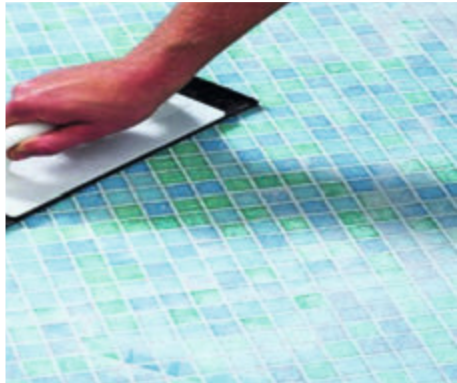
RECESS Flexible Ceramic YP, which is made ready for use, is applied on the surface firmly by means of a trowel in order to form a layer. The mortar applied on the adhesion surface is raked with a toothed trowel, type and/or dimensions of which, is suitable to the type of the tile. After maximum 35 minutes, tile is pasted on the mortar by pressing tightly. At least 90% of back surfaces of tiles must contact with the mortar. A better adhesion performance can be achieved by hitting on the tiles with a plastic mallet. The product can be applied on both sides of the tiles with mortar depending on the types, dimensions of the tile and condition of the application surface. For exterior applications, it is recommended to add RECESS Lateks adherence enhancing agent to the mortar water for a better adhesion performance. Joint application must be made after 24 hours for horizontal, after 48 hours for vertical surfaces.

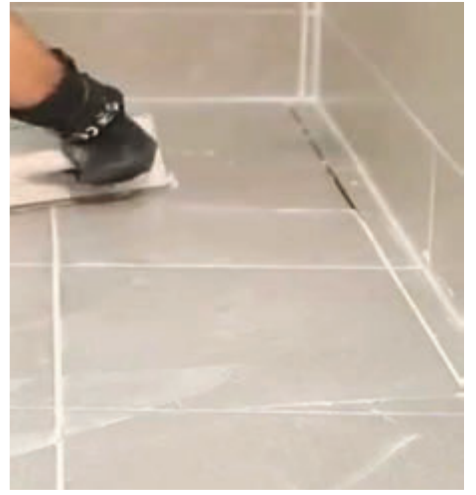
#### Consumption

4 – 4,5 Kg/m<sup>2</sup> (with 6mm notched trowel)

#### Packaging

25 Kg Kraft sack





## CEMENT BASED FILL the MORTAR



## Grouting Mortar



### Technical Specifications:

Quality Standard Compliance	: ÇG1.(grouting with cement)
Colour	: White
Appearance	: Fine Powder
Density	: 1.29 kg/lt
Water Mixture Rate	: 8- 9 lt water For 20 kg Powder
Stilling	: 5-10 minutes
Operating time	: 1-1.5 Hours
Ground Application Temperature	: +5 °C,+30 °C
Compressive Strength	: 15 N/mm2(28 days)
Bending Strength	: 2.5 N/mm2(28 days)
Shrinking	: 3 mm/m
Water Absorption ( 30 minutes)	: 5 gr
(240 minutes)	: 10 gr
Commissioning Time	: 24 hours on vertical area 36-48 hours on horizontal area

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description:

RECESS Fuga grouting mortar is a cement based, polymer reinforced product, which has been developed to provide a smooth surface, achieve waterproofing by means of its hydrophobic effect and fill joint gaps between 0-6mm.

### Areas of Use

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors  
the product is used for filling maximum 0-6mm joint gaps of ceramic, tile, granite, marble, porcelain, natural stone, brick et.c products

### Advantages

- It is easy to prepare and apply.
- Provides easy application.
- Durable and long-lasting.
- It provides adhesion with smooth and crack-free surface for joints with maximum 0-6mm depth.
- It doesn't cause discolouration, dusting or cracking.
- It sets quickly.
- Its adherence performance is high.
- Resistant to water and moisture.

### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. For vertical applications, make sure that joint gaps are moisturised before filling joint gaps. Make sure that there is no water accumulation on the surface during moistening.

### Preparation Instructions

20 kg powder RECESS Fuga Grouting Mortar must be added to 8-9 clean water in a clean container, and mixed for 3-4 minutes by means of a low speed mixer or driller in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 1-1.5 hours.

### Instructions for Use

RECESS Fuga Grouting Mortar must be applied to joint gaps by means of a rubber base pointing trowel or a hard rubber ended mop. This process must be performed by fist parallel, then traverse application. Grouting residues on the coating material are scraped by means of a wet spatula without damaging the grouting i joint gaps. After 15-30 minutes, fine mortar layer on the surface is cleaned by means of a damp sponge or cloth. Surface cleaning and levelling must be performed with a dry cloth (like rag) when the mortar is still wet. After the application, availability period of the surface must be: minimum 24 hours on the vertical area, minimum 36-48 hours on the horizontal area.

### Consumption

Consumption Amount Table (gr/m2) (Joint depth is taken as 10mm)				
Ceramic size	3 mm	4 mm	5 mm	6 mm
10X10 cm	690	920	1150	1380
20X20 cm	345	460	575	690
30X30 cm	230	300	380	460

### Packaging

20 Kg Kraft sack

### Flex Grouting Mortar

#### Technical Specifications:

Quality Standard Compliance	: CG2.(grouting with cement)
Colour	: White
Appearance	: Fine Powder
Density	: 1.29 kg/ltr
Water Mixture Rate	: 8- 9 lt water For 20 kg Powder
Stilling	: 5-10 minutes
Operating time	: 1-1.5 Hours
Ground Application Temperature	: +5 °C,+30 °C
Compressive Strength	: 15 N/mm2(28 days)
Bending Strength	: 2.5 N/mm2(28 days)
Shrinking	: 2 mm/m
Water Absorption ( 30 minutes)	: 2 gr
(240 minutes)	: 5 gr
Commissioning Time	: 24 hours on vertical area 36-48 hours on horizontal

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Flex Fuga grouting mortar is a cement based high performance product reinforced with polymers and special chemicals, which has been developed to provide a smooth surface, achieve waterproofing by means of its hydrophobic effect and fill joint gaps between 0-6mm.

#### Areas of Use

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors
- Water tanks, floor heating systems, pools
- The product is used for filling maximum 0-6mm joint gaps of ceramic, tile, granite, marble, porcelain, natural stone, brick etc products

#### Advantages

- It is easy to prepare and apply.
- Provides easy application.
- Durable and long-lasting.
- It provides adhesion with smooth and crack-free surface for joints with maximum 0-6mm depth.
- It doesn't cause discolouration, dusting or cracking.
- Resistant to heavy pedestrian traffic.
- Its adherence performance is high.
- Resistant to water and moisture.

#### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. For vertical applications, make sure that joint gaps are moisturised before filling joint gaps. Make sure that there is no water accumulation on the surface during moistening.

#### Preparation Instructions

5 kg or 20 kg powder RECESS Flex Fuga Grouting Mortar must be added to 8-9 clean water in a clean container, and mixed for 3-4 minutes by means of a low speed mixer or drill in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 1-1.5 hours.

#### Instructions for Use

RECESS Flex Fuga Grouting Mortar must be applied to joint gaps by means of a rubber base pointing trowel or a hard rubber ended mop. This process must be performed by fist parallel, then traverse application. Grouting residues on the coating material are scraped by means of a wet spatula without damaging the grouting joint gaps. After 15-30 minutes, fine mortar layer on the surface is cleaned by means of a damp sponge or cloth. Surface cleaning and levelling must be performed with a dry cloth (like rag) when the mortar is still wet. After the application, availability period of the surface must be: minimum 24 hours on the vertical area, minimum 36-48 hours on the horizontal area.

#### Consumption

Consumption Amount Table (gr/m2)				
(Joint depth is taken as 10mm)				
Ceramic size	3 mm	4 mm	5 mm	6 mm
10X10 cm	690	920	1150	1380
20X20 cm	345	460	575	690
30X30 cm	230	300	380	460

#### Packaging

- 5 kg bag
- 20 kg bag

Silicone Flex Grouting



**Technical Specifications:**

Quality Standard Compliance	: CG2W.(grouting with cement)
Colour	: White
Appearance	: Fine Powder
Density	: 1.29 kg/ltr
Water Mixture Rate	: 8-9 lt water For 20 kg Powder
Stilling	: 5-10 minutes
Operating time	: 1-1.5 Hours
Ground Application Temperature	: +5 °C,+30 °C
Compressive Strength	: 15 N/mm2(28 days)
Bending Strength	: 2.5 N/mm2(28 days)
Shrinking	: 2 mm/m
Water Absorption ( 30 minutes)	: 2 gr
(240 minutes)	: 5 gr
Commissioning Time	: 24 hours on vertical area : 36-48 hours on horizontal area

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

**Description:**

RECESS Silicone Flex Fuga grouting mortar is a cement based high performance product reinforced with polymers and special chemicals and powder silicone, which has been developed to provide a smooth surface, achieve waterproofing by means of its hydrophobic effect and fill joint gaps between 0-6mm.

**Areas of Use**

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors
- Water tanks, floor heating systems, pools
- The product is used for filling maximum 0-6mm joint gaps of ceramic, tile, granite, marble, porcelain, natural stone, brick etc products

**Advantages**

- It is easy to prepare and apply.
- Provides easy application.
- Durable and long-lasting.
- It has hydrophobic qualities.
- It is dirt-repellent and easy to clean.
- It provides adhesion with smooth and crack-free surface for joints with maximum 0-6mm depth.
- The product sets quickly, and therefore it is suitable for areas which will be put into service in a short time period.
- Resistant to heavy pedestrian traffic
- Its adherence performance is high.
- Resistant to water and moisture.
- It doesn't cause discolouration, dusting or cracking.

**Surface Preparation**

You must ensure that the surface achieved the required strength. The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. For vertical applications, make sure that joint gaps are moisturised before filling joint gaps. Make sure that there is no water accumulation on the surface during moistening.

**Preparation Instructions**

20 kg powder RECESS Silicone Flex Fuga Grouting Mortar must be added to 8-9 clean water in a clean container, and mixed for 3-4 minutes by means of a low speed mixer or drill in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 1-1.5 hours.

**Instructions for Use**

RECESS Silicone Flex Fuga Grouting Mortar must be applied to joint gaps by means of a rubber base pointing trowel or a hard rubber ended mop. This process must be performed by fist parallel, then traverse application. Grouting residues on the coating material are scraped by means of a wet spatula without damaging the grouting i joint gaps. After 15-30 minutes, fine mortar layer on the surface is cleaned by means of a damp sponge or cloth. Surface cleaning and levelling must be performed with a dry cloth (like rag) when the mortar is still wet. After the application, availability period of the surface must be: minimum 24 hours on the vertical area, minimum 36-48 hours on the horizontal area.

**Consumption**

Consumption Amount Table (gr/m <sup>2</sup> ) (Joint depth is taken as 10mm)				
Ceramic size	3 mm	4 mm	5 mm	6 mm
10X10 cm	690	920	1150	1380
20X20 cm	345	460	575	690
30X30 cm	230	300	380	460

**Packaging**

20 kg kraft bag

### Coloured Flex Grouting

#### Technical Specifications:

Quality Standard Compliance	: G1.(grouting with cement)
Colour	: 16 different colour options
Appearance	: Fine Powder
Density	: 1.29 kg/lt
Water Mixture Rate	: 10- 11 lt water
	For 20 kg Powder
Stilling	: 5-10 minutes
Operating time	: 1-1.5 Hours
Ground Application Temperature	: +5 °C,+30 °C
Compressive Strength	: 15 N/mm2(28 days)
Bending Strength	: 2.5 N/mm2(28 days)
Shrinking	: 3 mm/m
Water Absorption ( 30 minutes)	: 5 gr
(240 minutes)	: 10 gr
Commissioning Time	: 24 hours on vertical area
	36-48 hours on horizontal area

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Color Flex Fuga Grouting Mortar is a cement based high performance product reinforced with polymers and special chemicals with 16 different colour options, which has been developed to provide a smooth surface, achieve waterproofing by means of its hydrophobic effect and fill joint gaps between 0-6mm.

#### Areas of Use

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors
- The product is used for filling maximum 0-6mm joint gaps of ceramic, tile, granite, marble, porcelain, natural stone, brick et.c products

#### Advantages

- It is easy to prepare and apply.
- Provides easy application.
- Durable and long-lasting.
- It provides adhesion with smooth and crack-free surface for joints with maximum 0-6mm depth.
- It doesn't cause discolouration, dusting or cracking.
- It sets quickly.
- Its adherence performance is high.
- Resistant to water and moisture.

#### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. For vertical applications, make sure that joint gaps are moisturised before filling joint gaps. Make sure that there is no water accumulation on the surface during moistening.

#### Preparation Instructions

5kg or 20 kg powder RECESS Color Flex Fuga Grouting Mortar must be added to 10-11 clean water in a clean container, and mixed for 3-4 minutes by means of a low speed mixer or driller in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 1-1.5 hours.

#### Instructions for Use

RECESS Colour Flex Fuga Grouting Mortar must be applied to joint gaps by means of a rubber base pointing trowel or a hard rubber ended mop. This process must be performed by fist parallel, then traverse application. Grouting residues on the coating material are scraped by means of a wet spatula without damaging the grouting i joint gaps. After 15-30 minutes, fine mortar layer on the surface is cleaned by means of a damp sponge or cloth. Surface cleaning and levelling must be performed with a dry cloth (like rag) when the mortar is still wet. After the application, availability period of the surface must be: minimum 24 hours on the vertical area, minimum 36-48 hours on the horizontal area.

#### Consumption

Consumption Amount Table (gr/m <sup>2</sup> ) (Joint depth is taken as 10mm)				
Ceramic size	3 mm	4 mm	5 mm	6 mm
10X10 cm	690	920	1150	1380
20X20 cm	345	460	575	690
30X30 cm	230	300	380	460

#### Packaging

- 5 kg bag
- 20 kg bag

## Phosphorous Flex Grouting



### Technical Specifications:

Quality Standard Compliance	: ÇG1. (grouting with cement)
Colour	: 6 phosphorous colour options
Appearance	: Fine Powder
Density	: 1.25 kg/lt
Water Mixture Rate	: 6- 7 lt water For 20 kg Powder
Stilling	: 5-10 minutes
Operating time	: 1-1.5 Hours
Ground Application Temperature	: +5 °C,+30 °C
Compressive Strength	: 15 N/mm2(28 days)
Bending Strength	: 3.5 N/mm2(28 days)
Shrinking	: 2 mm/m
Water Absorption ( 30 minutes)	: 2 gr
(240 minutes)	: 5 gr
Commissioning Time	: 24 hours on vertical area 36-48 hours on horizontal area

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description:

RECESS Phosphorous Flex Fuga grouting mortar is a cement based, highly flexible, phosphorous high performance product reinforced with polymers and special chemicals, which has been developed to provide a smooth surface, achieve waterproofing by means of its hydrophobic effect and fill joint gaps between 1-6mm.

### Areas of Use

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors
- Water tanks, floor heating systems, pools
- The product is used for filling maximum 1-6mm joint gaps of ceramic, tile, granite, marble, porcelain, natural stone, brick et.c products

### Advantages

- It is easy to prepare and apply.
- Provides easy application.
- Durable and long-lasting.
- It provides adhesion with smooth and crack-free surface for joints with maximum 0-6mm depth.
- It doesn't cause discolouration, dusting or cracking.
- Resistant to heavy pedestrian traffic
- Its adherence performance is high.
- Resistant to water and moisture.

### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. For vertical applications, make sure that joint gaps are moisturised before filling joint gaps. Make sure that there is no water accumulation on the surface during moistening.

### Preparation Instructions

5 kg powder RECESS Phosphorous Flex Fuga Grouting Mortar must be added to 6-7 clean water in a clean container, and mixed for 3-4 minutes by means of a low speed mixer or driller in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then e-mixed for using. It is recommended that the mixture in the container is consumed within 1-1.5 hours.

### Instructions for Use

RECESS Flex Fuga Grouting Mortar must be applied to joint gaps by means of a rubber base pointing trowel or a hard rubber ended mop. This process must be performed by fist parallel, then traverse application. Grouting residues on the coating material are scraped by means of a wet spatula without damaging the grouting i joint gaps. After 15-30 minutes, fine mortar layer on the surface is cleaned by means of a damp sponge or cloth. Surface cleaning and levelling must be performed with a dry cloth (like rag) when the mortar is still wet. After the application, availability period of the surface must be: minimum 24 hours on the vertical area, minimum 36-48 hours on the horizontal area.

### Consumption

Consumption Amount Table (gr/m2)				
(Joint depth is taken as 10mm)				
Ceramic size	3 mm	4 mm	5 mm	6 mm
10X10 cm	690	920	1150	1380
20X20 cm	345	460	575	690
30X30 cm	230	300	380	460

### Packaging

5 kg bag



### Thick Grouting

#### Technical Specifications:

Quality Standards Compliance	: CG2.(grouting with cement)
Colour	: White, Grey, Black, Cotto
Appearance	: Fine Powder
Density	: 1.33 kg/lt
Water Mixture Rate	: 7- 7.5 lt water For 20 kg Powder
Stilling	: 5-10 minutes
Operating time	: 1-1.5 Hours
Ground Application Temperature	: +5 °C,+30 °C
Compressive Strength	: 15 N/mm2(28 days)
Bending Strength	: 3.5 N/mm2(28 days)
Shrinking	: 2 mm/m
Water Absorption ( 30 minutes)	: 2 gr
(240 minutes)	: 5 gr
Commissioning Time	: 24 hours on vertical area 36-48 hours on horizontal area

Technical information correspond to the data, which were obtained at 20 °C (±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Thick Fuga Grouting is a cement based high performance thick grouting reinforced with polymers and special chemicals, which has been developed to fill wide joint gaps, provide waterproofing by forming smooth surfaces with its hydrophobic effects and applied to joint gaps with a thickness range between 6-20mm.

#### Areas of Use

- On horizontal and vertical surfaces indoors
- On horizontal and vertical surfaces outdoors
- The product is used for filling wide joint gaps of materials such as pressed brick, natural stone, clinker, furring brick, terracotta, granite ceramic glass brick, for which wide joint application is required.

#### Advantages

- It is easy to prepare and apply.
- Provides easy application.
- Durable and long-lasting.
- It provides adhesion with smooth and crack-free surface for joints with maximum 6-20 mm depth.
- The product sets quickly, and therefore it is suitable for areas which will be put into service in a short time period.
- It doesn't cause discolouration, dusting or cracking.
- Resistant to heavy pedestrian traffic
- Its adherence performance is high.
- Resistant to water and moisture.

#### Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. For vertical applications, make sure that joint gaps are moisturised before filling joint gaps. Make sure that there is no water accumulation on the surface during moistening.

#### Preparation Instructions

20 kg powder RECESS Thick Fuga Grouting Mortar must be added to 7-7.5 clean water in a clean container, and mixed for 3-4 minutes by means of a low speed mixer or driller in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for using. It is recommended that the mixture in the container is consumed within 1-1.5 hours.

#### Instructions for Use

RECESS Thick Fuga Grouting Mortar must be applied to joint gaps by means of a rubber base pointing trowel or a hard rubber ended mop. This process must be performed by fist parallel, then traverse application. Grouting residues on the coating material are scraped by means of a wet spatula without damaging the grouting in joint gaps. After 15-30 minutes, fine mortar layer on the surface is cleaned by means of a damp sponge or cloth. Surface cleaning and levelling must be performed with a dry cloth (like rag) when the mortar is still wet. After the application, availability period of the surface must be: minimum 24 hours on the vertical area, minimum 36-48 hours on the horizontal area. It is recommended that sealant gun is used during the application on highly absorbent stone etc. products in order to prevent surface contamination and overflowing sections are immediately cleaned.

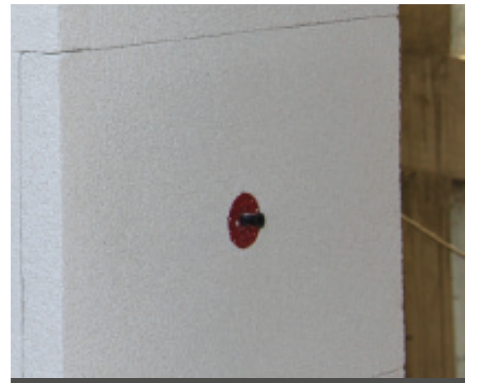
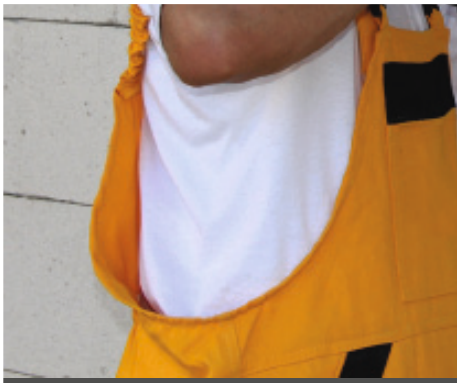
#### Consumption

Consumption Amount Table (gr/m2)				
(Joint depth is taken as 10mm)				
Ceramic size	3 mm	4 mm	5 mm	6 mm
15X15 cm	1750	2080	2425	2750
20X20 cm	1300	1560	1850	2800
30X30 cm	870	1050	1210	1380

#### Packaging

20 Kg Kraft sack





## THERMAL INSULATION PRODUCTS



## Thermal Insulating Board Adhesive



## Technical Specifications:

Colour	: Grey
Appearance	: Fine Powder
Density	: 1.72 kg/lit
Water Mixture Rate	: 7- 8 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 1-1.5 Hours
Crustation Time	: 15 minutes
Ground Application Temperature	: +5 °C,+30 °C
Mechanical Stabilization Time	: 24 Hours
Splice strength	: ≥0,40 N/mm <sup>2</sup> (Concrete)

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

## Description:

RECESS Recesment YP is a cement based, single-component, polymer added, high performance adhesive mortar, which has been developed for the adhesion of thermal insulation plates.

## Areas of Use

- Indoors and outdoors
- Walls and ceilings
- Horizontal and vertical surfaces
- The product is used for the adhesion of thermal insulation plates.

## Advantages

- It is ready to prepare and apply.
- Provides easy application.
- Resistant to thermal shocks.
- Non-inflammable.
- Its adherence performance is high.
- It provides high adhesion performance on concrete, brick, gas concrete, plaster, prefabricated panel etc. surfaces.

## Surface Preparation

You must ensure that the surface achieved the required strength. The surface must be free of substances such as dust, oil, paint, which may prevent adhesion.

Concrete, cement and cement must be dry and completely set. If the surface is highly absorbent or the application is made under hot temperature conditions, the surfaces must be moistened and level of moisture must be maintained.

Surfaces which require repair must be filled with RECESS repair mortar and graded 3-4 days before the application.

## Preparation Instructions

25kg powder RECESS Recesment YP 7-8 must be added to 6-7 l clean water in a clean container, and mixed for 3 minutes by means of a low speed mixer or driller in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes. Saturated material is mixed again to make ready for the application. It is recommended that the mixture in the container is consumed within 1-1,5 hours.

## Instructions for Use

RECESS Recesment YP is applied on the back surface of thermal insulation plates. Application method can vary depending on the condition of the application surface and/or type of the thermal insulating board.

## Carding method:

This method is applied on the whole area of thermal insulating plate's back surface by means of a toothed trowel. The method can be preferred for smooth surfaced buildings.

## Point application method:

In this application, the product is applied on the periphery of the plate and 3 points in the middle, by leaving 5mm gaps on the edges of thermal insulating plate's back surface. Minimum 40% of thermal insulation plate must be coated. Make sure that side surfaces of thermal insulation plate is not coated with the mortar. Bonding process is performed by using a gauge and pressing on the surface in order to form a smooth surface. Mechanical anchor operation must be carried after 24 hours, when adhesive is completely set.

## Consumption

45 Kg/m<sup>2</sup>

## Packaging

25 Kg Kraft sack

### Thermal Insulating Board Plaster

#### Technical Specifications:

Colour	: Grey
Appearance	: Fine Powder
Density	: 1.63 kg/lt
Water Mixture Rate	: 7- 8 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Operating Time	: 1.5-2 Hours
Crustation Time	: 20 minutes
Ground Application Temperature	: +5 °C,+30 °C
Ambient Ground Application	: +5 °C,+30 °C
Application Thickness	: Between 3-5 mm
Splice Strength (To the Plate)	: $\geq 0,65 \text{ N/mm}^2$
Peeling strength	: $22 \text{ N/mm}^2$
Bending strength	: $\geq 4 \text{ N/mm}^2$
Compressive Strength	: $\geq 18 \text{ N/mm}^2$
Heat Conductivity	: $0,54 \text{ W/m.k}$

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Recesment SV is a cement based, single component, polymer modified, fiber reinforced, high performance, non-shrinking and non-cracking plaster mortar, which has been developed to be used as a plaster layer on thermal insulation boards.

#### Areas of Use

- Indoors and outdoors
- Walls and ceilings
- Horizontal and vertical surfaces
- The product is used for plastering thermal insulation boards.

#### Advantages

- The product is flexible.
- It is easy to prepare and apply.
- Provides easy application.
- Resistant to thermal shocks.
- Non-inflammable.
- Its adherence performance is high.
- It is not affected by heat changes.
- Paint can directly be applied on the product.

#### Surface Preparation

Application surface and plates must be solid and free of materials that prevent adhesion such as dust, oil, silicone, curing material, detergent etc. Plates to be plastered must be firmly anchored and settled on their place. If there are gaps between them, they must be filled with foam or the same material. Make sure that 48 hours pass after the adhesion of plates on the wall.

#### Preparation Instructions

25kg powder RECESS Recesment SV 7-8 is added to 7-8 clean water in a clean container, and mixed by means of a low speed mixer or drill for 3-4 minutes in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed for 1-2 minutes. It is recommended that the mixture in the container is consumed within 1.5-2 hours.

#### Instructions for Use

RECESS Recesment SV is applied on the previously attached and anchored plate as the first coat in 2-3mm thickness by means of a steel trowel. RECESS Glass-fiber Mesh is embedded inside the fresh mortar from bottom to top while the plaster is still wet. RECESS Glass-fiber Mesh is applied on connection points with overlapping method at 10cm intervals in order to prevent cracks. RECESS Glass-fiber Mesh be turned for at least 20 cm on corners and all girder, window, door frames. Second coat application can be started after 2-3 hours. Second coating application must be in 2-3mm thickness and the surface must be moisturized before the application. Depending on the weather conditions, make sure that first coat is completely set and forming a cold joint must be avoided. After the application, the surface will be suitable for exterior siding. Sponge trifolium decreases surface adherence and cause dusting; therefore, avoid using sponge trifolium. If paint will be applied in the next phase, make sure that this application is started after 2-3 days depending on weather conditions. For high-rise buildings which are exposed to wind load and at elevated temperatures, make sure that the surface is moisturized and even pier screening is applied.

#### Consumption

4 – 5 Kg/m<sup>2</sup>

#### Packaging

25 Kg Kraft sack

## Decorative Coating Plaster



### Technical Specifications:

Colour	: White
Appearance	: Powder with granule appearance
Density	: 1,71 Kg/ltr
Water Mixture Rate	: 6- 7 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 1.5-2 Hours
Crustation Time	: 20 minutes
Ground Application Temperature	: +5 °C,+30 °C
Ambient Ground Application	: +5 °C,+30 °C
Application Thickness	: 2 mm
Splice Strength (To Concrete)	: ≥0,50 N/mm <sup>2</sup>
Brightness Grade	: G3
Dry Film Thickness	: E5
Granulation	: S4

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description:

RECESS Recesment Decor (thick) is a single component, polymer and fiber reinforced, non-shrinking and non-cracking, white cement based decorative final coating mortar, reinforced with special chemical agents and developed for using as a coating material on concrete, plaster etc. surfaces.

### Areas of Use

- Indoors and outdoors
- Walls and ceilings
- Horizontal and vertical surfaces
- Plastering concrete and coated surfaces
- The product is used as top coating material on exterior thermal insulation systems.

### Advantages

- It is easy to prepare and apply.
- Resistant to thermal shocks.
- It gives a natural and decorative appearance to the structure.
- The product's adhesive power is very high.
- It increases the mechanical strength of building shell.
- Paint can directly be applied on the product.
- Its UV resistance is high.
- It hides workmanship defects on the plaster.
- It has hydrophobic qualities.

### Surface Preparation

The surface must be clean, smooth and firm. The surface must be free of substances such as dust, oil, paint, which may prevent adhesion. Before the application, make sure that the surface is moisturized, and saturated to water under extremely hot and windy weathers. For highly absorbent and polished concrete surfaces, make sure that RECESS Primer 190 priming agent is applied with a brush before the application. For thermal insulation applications, you must apply RECESS Primer 190 priming agent on the top coat plaster after at least 24 hours, and then start RECESS Recesment Decor (thick) application.

### Preparation Instructions

25 kg powder RECESS Recesment Decor (thick) is added into 6-7 clean water and mixed by means of a low speed mixer or drill for 3-4 minutes in order to prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed. It is recommended that the mixture in the container is consumed within 1.5-2 hours.

### Instructions for Use

RECESS Recesment Decor (thick must be spread on the application surface uniformly by means of a steel trowel. Application thickness must be adjusted according to the largest granule. Application thickness is 2mm under normal circumstances. Depending on weather conditions, after approximately 5-10 minutes, the product must be applied by texturing the surface with circular movements by means of a plastic trowel. Texturing must be performed when decorative plaster is wet. Make sure that application is continued on wide gaps with sufficient personnel support, and joints must be prevented from becoming evident. If paint will be applied in the next phase, make sure that this application is started after 2-3 days depending on weather conditions. The period becomes longer at lower temperatures, and shortens at higher temperatures. For high-rise buildings which are exposed to wind load and at elevated temperatures, make sure that the surface is moisturized and even pier screening is applied.

### Consumption

2,5 – 3 Kg/m<sup>2</sup>

### Packaging

25 Kg Kraft sack

### Decorative Coating Plaster

#### Technical Specifications:

Colour	: White
Appearance	: Powder with granule appearance
Density	: 1,73 Kg/lt
Water Mixture Rate	: 6- 7 lt water For 25 kg Powder
Stilling	: 5-10 minutes
Operating time	: 1.5-2 Hours
Crustation Time	: 20 minutes
Ground Application Temperature	: +5 °C,+30 °C
Ambient Ground Application	: +5 °C,+30 °C
Application Thickness	: 2 mm
Splice Strength (To Concrete)	: ≥0,50 N/mm <sup>2</sup>
Brightness Grade	: G3
Dry Film Thickness	: E5
Granulation	: S4

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



#### Description:

RECESS Recesment Decor (fine) is a single component, polymer and fiber reinforced, non-shrinking and non-cracking, white cement based decorative final coating mortar, reinforced with special chemical agents and developed for using as a coating material on concrete, plaster etc. surfaces.

#### Areas of Use

- Indoors and outdoors
- Walls and ceilings
- Horizontal and vertical surfaces
- Plastering concrete and coated surfaces
- The product is used as top coating material on exterior thermal insulation systems.

#### Advantages

- It is easy to prepare and apply.
- Resistant to thermal shocks.
- It gives a natural and decorative appearance to the structure.
- The product's adhesive power is very high.
- It increases the mechanical strength of building shell.
- Paint can directly be applied on the product.
- Its UV resistance is high.
- It hides workmanship defects on the plaster.
- It has hydrophobic qualities.

#### Surface Preparation

The surface must be clean, smooth and firm. The surface must be free of substances such as dust, oil, paint, which may prevent adhesion. Before the application, make sure that the surface is moisturized, and saturated to water under extremely hot and windy weathers. For highly absorbent and polished concrete surfaces, make sure that RECESS Primer 190 priming agent is applied with a brush before the application. For thermal insulation applications, you must apply RECESS Primer 190 priming agent on the top coat plaster after at least 24 hours, and then start RECESS Recesment Dekor (fine) application.

#### Preparation Instructions

25 kg powder RECESS Recesment Decor (fine) is added into 6-7 clean water and mixed by means of a low speed mixer or drill for 3-4 minutes in order to prevent agglomeration. This mixture is stilled for mellowing for a period of 5-10 minutes and then re-mixed. It is recommended that the mixture in the container is consumed within 1.5-2 hours.

#### Instructions for Use

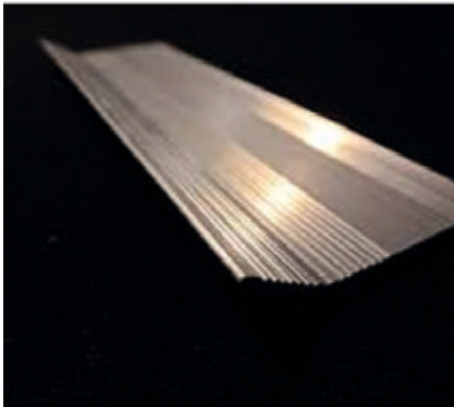
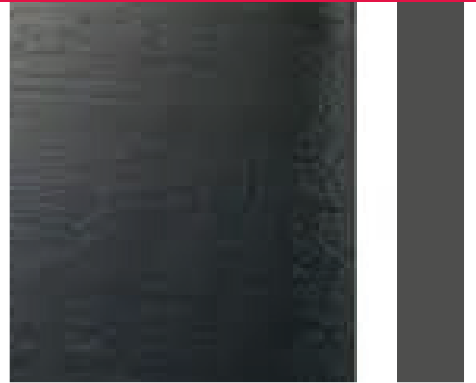
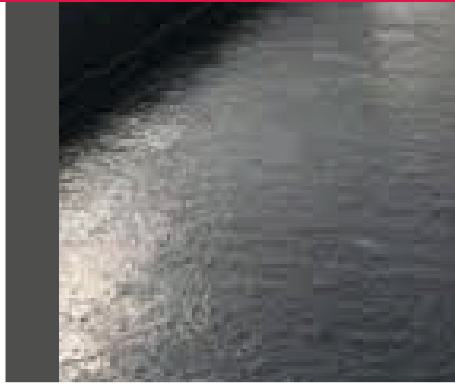
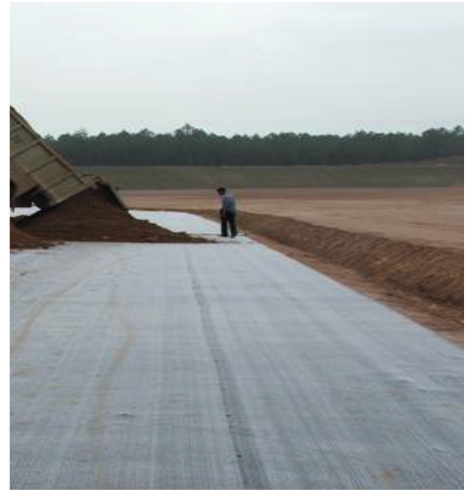
RECESS Recesment Decor (fine) must be spread on the application surface uniformly by means of a steel trowel. Application thickness must be adjusted according to the largest granule. Application thickness is 2mm under normal circumstances. Depending on weather conditions, after approximately 5-10 minutes, the product must be applied by texturing the surface with circular movements by means of a plastic trowel. Texturing must be performed when decorative plaster is wet. Make sure that application is continued on wide gaps with sufficient personnel support, and joints must be prevented from becoming evident. If paint will be applied in the next phase, make sure that this application is started after 2-3 days depending on weather conditions. The period becomes longer at lower temperatures, and shortens at higher temperatures. For high-rise buildings which are exposed to wind load and at elevated temperatures, make sure that the surface is moisturized and even pier screening is applied.

#### Consumption

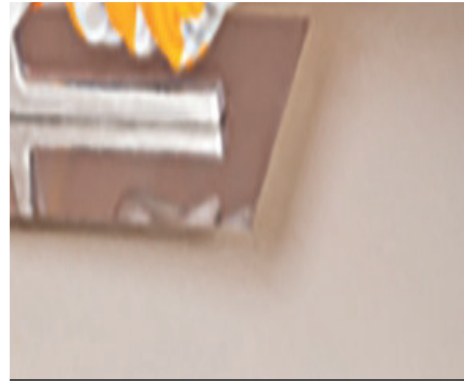
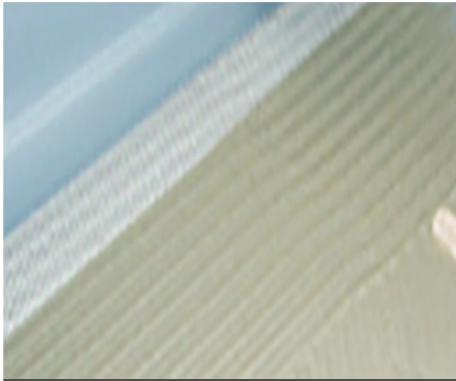
2,5 – 3 Kg/m<sup>2</sup>

#### Packaging

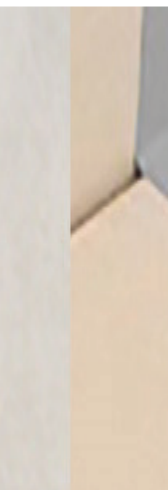
25 Kg Kraft sack







## COMPLEMENTARY PRODUCTS



## SWELLBAND

Band, Which Swells in Contact With Water

### Technical Specifications:

Volume Change	
After 7 days in water	: ≥ %100 DIN 53521
After 14 days in water	: ≥ %150 DIN 53521
10 times dry/wet conversion in water	: ≥ %100 DIN 53521
Swelling Pressure	: ≥ 15 bar (after 7 days waiting period)
Share A Hardness	: 35 DIN 53505
Density	: 1,40 g/cm <sup>3</sup> (at 23 °C) TS 2827 ISO 2781
Elongation at Break	: > 250 %

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.

### Description:

RECESS Swellband is a sodium bentonite and butyl rubber based band, which fills all cracks, pores and capillary voids on the concrete and makes concrete joints waterproof by swelling in contact with the water.

### Areas of Use

- Pools, water tanks, water treatment facilities, retaining walls, manholes, garage constructions etc.
- Foundation and concrete wall joints, tunnel segments
- The product is used as a water retaining band on old and fresh concrete joints and water joints.
- Concrete joint areas of steel sections and profiles,
- The product is used as water retaining flange on PVC pipe inlet ends.

### Advantages

- The workmanship is extremely easy.
- Faulty workmanship, which is frequent in PVC water retaining bands, is rarely seen in this product.
- One person can apply the product for up to 130 m in an hour.
- It easy to apply even on excessive equipment.
- Joints are connected simply by pressing to each other.
- It doesn't swell suddenly during fresh concrete pouring process due to controlled welling at ideal speed.

### Surface Preparation

The surface must be dry and clean. The product mustn't be applied on wet, icy, oily, muddy and dusty surfaces and under rainy weather. Concrete thickness must be minimum 12cm. Make sure that inner and outer surfaces of joints are steady, dry, equipped with carriers,dust-free and clean, level and smooth. The surface must be free of all kinds of residues such as oil, rust, grease and paraffin, which may reduce adherence, and moving parts on the surface must be removed. Uneven surfaces must be repaired and graded by means of RECESS Remiks Null coving paste.

### Preparation Instructions

RECESS Swellband is a ready-to-use material. The product can directly be applied by uncoiling the roll. The product is suitable for applying on the joint gap after the necessary surface preparation.

### Instructions for Use

Uncoil RECESS Swellband insufficient length from the roll and paste the adhesive surface on the concrete. For vertical and upside-down applications, the product must be pressed on the surface for at least 15 seconds for high adhesion performance. Juxtapose the joints on 10cm and avoid overlapping them. On uneven surfaces, make sure that the band contacts with all points of the surface. Remove the silicone paper and pour it on the concrete in a controlled manner.

### Consumption

1 m/ mtul

### Packaging

20 mmx25 mm (5 m roll)

5 mmx 20 mm (15 m roll)



## POLYETHYLENE WICK

### Technical Specifications:

Structure	: Polyethylene Based
Service Temperature	: Between -80°C and +95°C

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



### Description:

RECESS Polyethylene Wick is a polyethylene based, highly durable joint filling wick, which use used for filling joint depths and adjusting consumption before starting mastic application

### Areas of Use

- Filling horizontal and vertical gaps
- Before filling concrete joints which are cut for crack control after surface hardening applications,
- Door and window frames,
- It is used as the primary fill material to support filling chemical for the isolation of joints and dilatations.

### Advantages

- It is selected as 30% thicker than joint width and placed inside the joint by means of compression.
- It prevents mastic consumption and provides a durable joint filling.
- It doesn't adhere to the applied mastic and works inside the joint separately.
- It is made of polyethylene foam made with closed cell structure.
- It maintains its performance under temperature values between -80°C and +95°C.
- It's flexible and compressible.
- It is air and water tight.

### Surface Preparation

Make sure that inner and outer surfaces of joints are steady, dry, equipped with carriers, dust-free and clean, level and smooth. The surface must be free of all kinds of residues such as oil, rust, grease and paraffin, which may reduce adherence, and moving parts on the surface must be removed. Uneven surfaces must be repaired and graded by means of RECESS NULL coving paste. It is suitable for applying on the joint gap after the necessary surface preparation.

### Instructions for Use

RECESS Polyethylene Wick is applied by means of pressing on the joint.

### Consumption

It depends on the residues on the cleaning area.

### Packaging

1

## TPE DILATION STRIP

### Technical Specifications:

Structure	: Thermoplastic Elastomer Based
Dimensions	: 20 cmx25 cm 25 cmx25 cm
Elongation at break	: 600%
Thickness	: 1 mm
Beach Puncture	: 2,0 Bar
Compressive Strength	: 8- 12 Bar
Service Temperature Between	: -30°C and +80°C

Technical information correspond to the data, which were obtained at 20 °C (±2 °C) temperature and 50+5% relative humidity.

### Description:

RECESS TPE Dilation Strip is a perforated dilation strip with high elasticity, which is used for the insulation of dilation gap, thermal expansion joints and cracks.

### Areas of Use

- Indoors and outdoors
- For waterproofing horizontal and vertical dilatations
- Foundation-curtain wall, concrete, building dilatations
- For insulating the cracks
- Joints of different construction materials such as reinforced concrete, steel etc.
- Elastic waterproofing of bottom, parapet junction points.

### Advantages

- It has high elasticity and high tear, puncture resistance.
- It is resistant to external factors.
- It has UV resistance.
- It is easy to use, and repair in case of being damaged.

### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. Surfaces must be clean and free of free particles. Where required, the surface must be roughened by means of mechanical methods. Application surfaces must be free. Defects, fractures and cracks on the application surface must be filled and repaired with RECESS structural repair mortar.

### Preparation Instructions

RECESS TPE Dilation Strip is a ready-to-use material. Before the application, RECESS Epokraj EP epoxy based adhesive is applied on dilatation lips. Following this, RECESS TPE Dilation Strip is attached.

### Instructions for Use

Before applying the product, RECESS Epokraj EP A component (resin) and B component (hardener) are mixed with each other with a low speed mixer or drill until a homogeneous mixture is achieved. RECESS Epokraj EP must be applied on both sides of dilatation as a strip with 1.5mm thickness and 40mm width by means of a trowel or spatula. RECESS TPE Dilatation Strip must be attached on the applied material and RECESS Epokraj EP must be applied on the upper side of the strip. You must wait until adhesive dries completely. RECESS TPE Dilatation Strip's joints must be attached to each other by welding with hot air gun. RECESS Epokraj EP must be used for this operation.

### Consumption

1,10 m / mtul

### Packaging

20 cmx25 cm (25 m roll)  
25 cmx25 cm (25 m roll)



## TPE CHAMFER STRIP

### Technical Specifications:

Structure	: Thermoplastic Elastomer Based
Dimensions	: 120x70 mm (50 m roll) 100x50 mm (50 m roll)
Elongation at break	: 144%
Thickness	: 0.60 mm
Beach Puncture	: 2,0 Bar
Pressured Water Resistance	: 1,5 Bar
Service Temperature Between	: -30°C and +90°C

Technical information correspond to the data, which were obtained at 20 °C (±2 °C) temperature and 50+5% relative humidity.

### Description:

RECESS TPE Chamber Strip consists of polyester mesh and thermoplastic elastomer, and used for the isolation of structural (cold) joints and the most critical corners on wet surfaces. RECESS TPE Chamfer Strip is a waterproofing material, which is compatible with all driving insulations.

### Areas of Use

- Indoors and outdoors
- Wet areas, pools, water tanks, treatment facilities, balconies, parapets, tiles and cold joints on curtains
- For compensating the movements on dynamic cracks by means of its elastic structure and insulating.
- Terraces and roof finishings.

### Advantages

- Easy to apply
- Provides permanent insulation
- Resistant to many chemicals
- Its resistance to ozone and UV is high.
- It's not harmful to human health.



### Surface Preparation

The surface must be free of substances such as dust, oil, paint, dirt silicone, which may prevent adhesion. Surfaces must be clean and free of free particles. Where required, the surface must be roughened by means of mechanical methods. Application surfaces must be free. Defects, fractures and cracks on the application surface must be filled and repaired with RECESS structural repair mortar.

### Preparation Instructions

RECESS TPE Chamfer Strip is a ready-to-use material. It is suitable for applying on the joint gap after the necessary surface preparation.

### Instructions for Use

First coat of waterproofing material is applied on the cold joint application. After RECESS TPE Chamfer Strip is placed on the fresh material on the joint, the strip is embedded inside waterproofing material. It is pressed with the brush and mesh sections are thoroughly closed with waterproofing material. After the first coat is cured, other coats are applied and insulation operation is completed. RECESS TPE Chamfer Strip must be thoroughly embedded inside the insulation material. Hard, drilling and sharp tools mustn't be used.

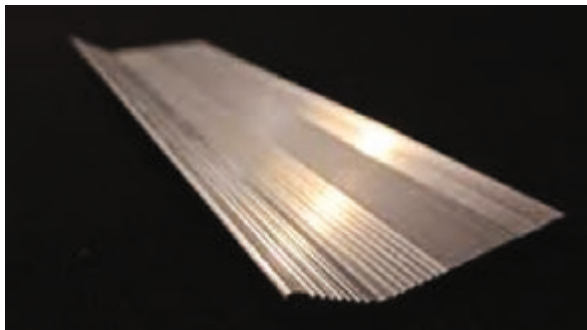
### Consumption

1,10 m / mtul

### Consumption

120 mmx70 mm (50 m roll)  
100 mmx50 mm (50 m roll)

## PROFILE AL Aluminum Based, Isolation Pressure Profil



### Description:

This is an isolation pressure profile that used for drainage protection board in waterproofing applications.

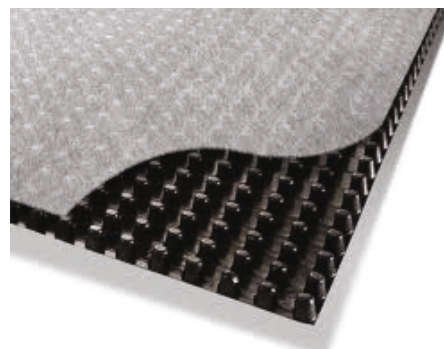
### Technical Data

Content Aluminum  
Thicniess 1,1 mm  
Width 37 mm  
Length 3 m

It can be produced as all sizes.



## Recess Protective Drainage Board



### Description:

High density polyethylene (HDPE) based, plant roots and decay resistance drainage board to protect curtain walls against water and moisture by separated from the earth.

### Fields of Application

It is used for the protect water and heat insulation systems which applied on foundation and curtain wall of buildings.

### Features and Benefit

- Provides uniform distribution of the pressure given by earth.
- Resistant to plant roots and decay.
- Prevents any damage on the waterproofing that occur while the land case.
- Allows the breath of buildings.

### Instructions for Use

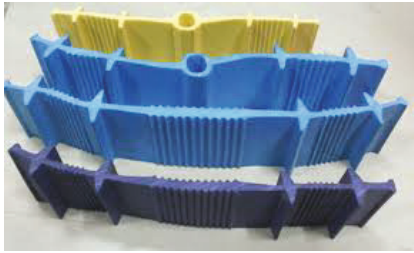
Recess Protective Drainage Board inserted as 15 cm above from the waterproofing layer and bubbles it has faced with application surface. Recess Protective Drainage Board is immobilised on the application surface as 20 cm distance or engaged on the surface with pressure profile. Waterproofing surface must be protected during the montag. At least 20 cm overlapping and additional fastening equipment is need on the plate joint areas.

### Packaging

2m x 20m roll



## PVC WATERSTOP PVC Based Waterstops



### Description:

PVC WATERSTOP are manufactured by melting and shaping mixtures that obtained from Polyvinylchloride (PVC) resin, stabilizer, plasticizer and antioxidant dyestuff in suitable temperature and pressure in extruders. It is confirmed according to TS 3078, ASTM, DIN, BS, DSI norms. PVC WATERSTOP are used for providing water impermeability in expansion - contraction (structure) joints seen in concrete structures exposed to high and low water pressure and for preventing vibrations and deformations that would appear in concrete blocks.

### Fields of Application

- In dams, hydroelectricity and thermal plants,
- In ponds, irrigation canals, water treatment plants, water tanks, swimming pools,
- In bridges, subway constructions, viaducts, retaining wall, docks, floor settled on ground or foundations, industrial structure.

### Features and Benefits

- In dams, hydroelectricity and thermal plants,
- In ponds, irrigation canals, water treatment plants, water tanks, swimming pools,
- In bridges, subway constructions, viaducts, retaining wall, docks, floor settled on ground or foundations, industrial structure.
- It resistances for high water pressure.
- East to apply.
- There are many sizes and types of PVC WATERSTOP for many application details.

### Packaging

Length: 15 m, 20 m or 25 m rolls are packed for types of sizes of waterstops.

type	Width (cm)	15	15	15	15	20	20	23	23	25	25	25	30	30		
A	Thickness (mm)	4	5	7	10	5	7	7	10	6	8	10	6	10		
type	Width (cm)	15	15	15	15	20	20	20	20	23	25	25	25	30	30	
B	Thickness (mm)	5	7	8	10	5	6	8	10	10	5	6	8	10	6	8
type	Width (cm)	15	15	15	20	20	20	20	25	25	25	25	30	30	30	32
I	Thickness (mm)	3	4	5	4	5	6	8	4	5	6	8	5	7	8	6
type	Width (cm)	20	22	25	25	25	25	30	30	30	30	32	32	35	35	
OL	Thickness (mm)	5	4	5	6	7	8	7	8	9	10	5	8	8	10	
type	Width (cm)	20	25	25	25	25	25	30	30	30	40					
M	Thickness (mm)	8	4	5	6	8	10	6	7	8	10					
type	Width (cm)	15	15	15	20	20	20	25	25							
V	Thickness (mm)	3	4	5	4	5	6	4	5							
type	Width (cm)	20	20	25	25	25	25	30								
Y	Thickness (mm)	4	5	4	5	6	8	8								
type	Width (cm)	20	20	25	25	25	25	30	35							
YO	Thickness (mm)	4	5	4	5	6	8	8	8							
type	Width (cm)	20	20	25	25	25	25	30								
YI	Thickness (mm)	4	5	4	5	6	8	8								
type	Width (cm)	15	15	15	20	20	20	22	22	26	26	32	32	32		
O	Thickness (mm)	3	4	5	3	4	5	4	5	4	5	4	5	6		
type	Width (cm)	20	20	20	24	24	24									
AK	Thickness (mm)	3	4	5	3	4	5									

## RECESS GEOTEXTILE



### Description:

GEOTEXTILE is a non woven geotextile that produced needle punched technology and thermally treated as to be separator and protector material. GEOTEXTILE is produced short cut polyester or polypropylene staple fiber.

### Fields of Application

- GEOTEXTILE is using as reduce settlement of weak soil, stabilization of earth and formation of non-linear local settlements.
- GEOTEXTILE has to be overlap underneath the geotextile corner of edge minimum 25 cm to avoid sliding while backfilling process.
- Protection of waterproofing board on roofs and terraces.
- Protection of external thermal insulation board on roofs or terraces.
- Protection of liquid waterproofing membrane on roofs or terrace or balconies.
- Protection of waterproofing liner as PVC, TPO, LLDPE, or HDPE on water tanks or pools.
- Protection of thin screed and topping concrete layer.

### Features and Benefits

- Made by pure stable fibers.
- Needled homogenously and properly.
- Needling number and frequency are adjustable.
- Line speed is adjustable.
- Fiber length and size (denier / diameter) are adjustable.
- Thermal treatment temperature is adjustable.
- Thermal treatment roll pressure is adjustable.
- Fiber blend and mixing and crimp are adjustable.
- Produces up to 6 meter width and 500 meter length.

### Instructions for Use

GEOTEXTILE must be applied on ready surface tightly and properly in order to assure full surface contact without any flexion. GEOTEXTILE has to be overlap underneath the GEOTEXTILE corner or edge minimum 25 cm to avoid sliding while backfilling process.

### Package

Width : 1 m to 6 m  
 Weight : 100 to 1200 gr/m2  
 Length : 25 m or more  
 Color : White, black, grey, mixing color

## PLASTIC WRAPPING BRICK ANCHOR (THERMAL INSULATION BOARDS FOR PLASTIC DOWEL)

Exterior insulation and finish systems, thermal insulation boards surface of the fixing vacuuming and wind load against the it us used to protect insulation and finish system.

### Consumption

6-8 pieces/m<sup>2</sup>

### Size and Packing

Black 100 mm (500 pcs in pack)  
Black 120 mm (500 pcs in pack)  
Original 100 mm (500 pcs in pack)  
Original 120 mm (500 pcs in pack)



## STEEL DOWEL ANCHOR (THERMAL INSULATION BOARDS FOR STEEL STUDDED DOWEL)

Exterior insulation and finish systems, thermal insulation boards surface of the fixing vacuuming and wind load against the high thickness recommended for use in steel studded wide-titled anchors.

### Consumption

6-8 pieces/m<sup>2</sup>

### Size and Packing

95 mm (200 pcs in pack)  
115 mm (200 pcs in pack)  
135 mm (200 pcs in pack)



## GAS CONCRETE ANCHOR (PLASTIC) GAS CONCRETE TO BE FIXED TO THERMAL INSULATION BOARDS FOR PLASTIC DOWEL

Gas, such as porous concrete are manufactured specifically for exterior facade thermal insulation system thermal insulation panels and of surfaces used for fixing.

### Consumption

6-8 pieces/m<sup>2</sup> Variable

### Size and Packing

160 mm



## JAMB ANCHOR (JAMB SPIKED TO SCREW OR DOWEL)

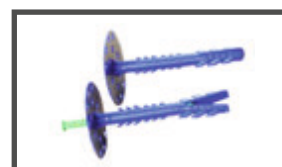
Jamb and smilar decorations,building exterior surfaces of fixing used in the spiked anchors.

### Consumption

Variable

### Size and Packing

100 mm dowel (100 pcs in pack)  
100 mm screw (100 pcs in pack)



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