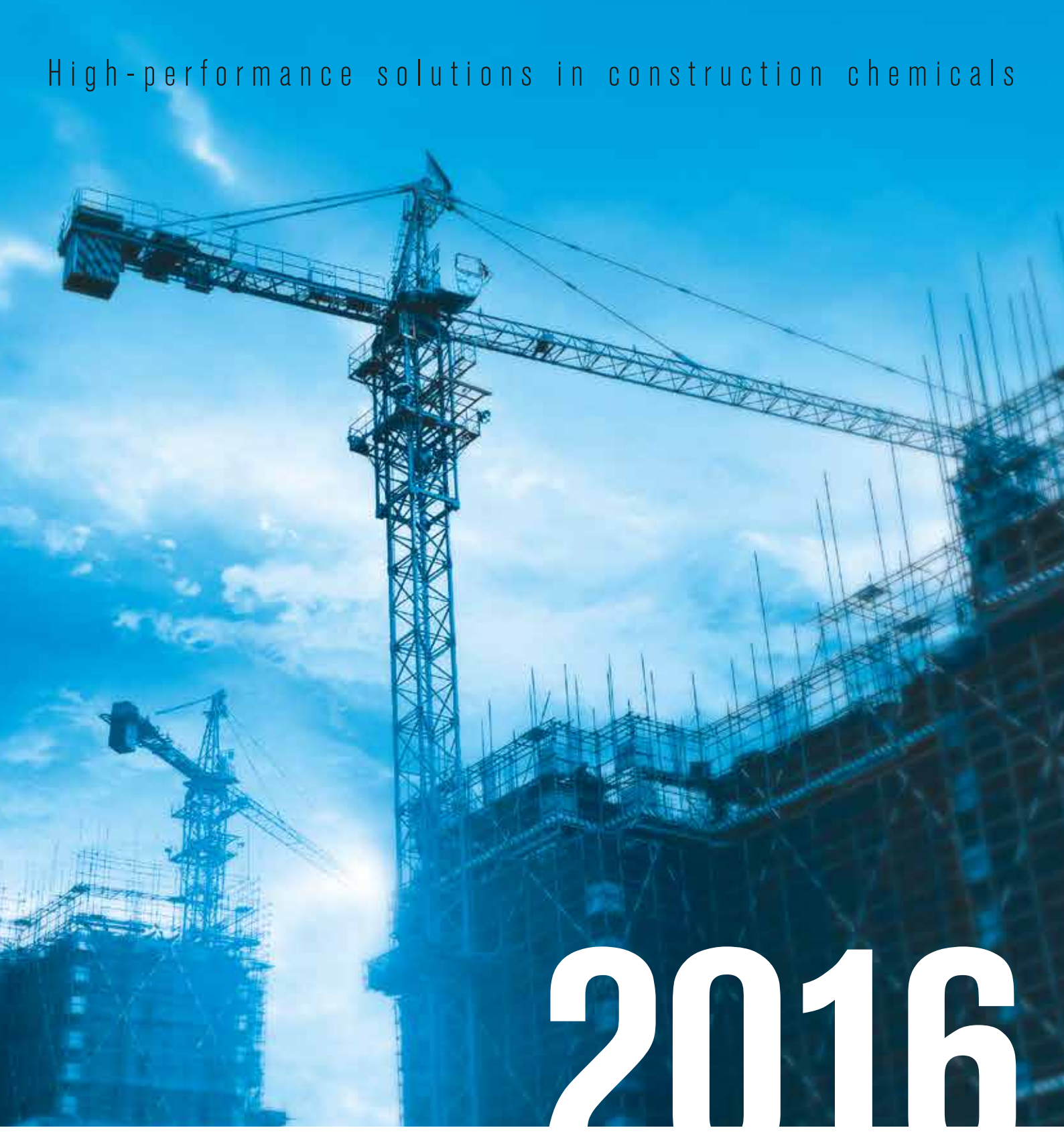
High-performance solutions in construction chemicals



2016

PRODUCT CATALOG

BAUMERK®
CONSTRUCTION CHEMICALS


200 ml
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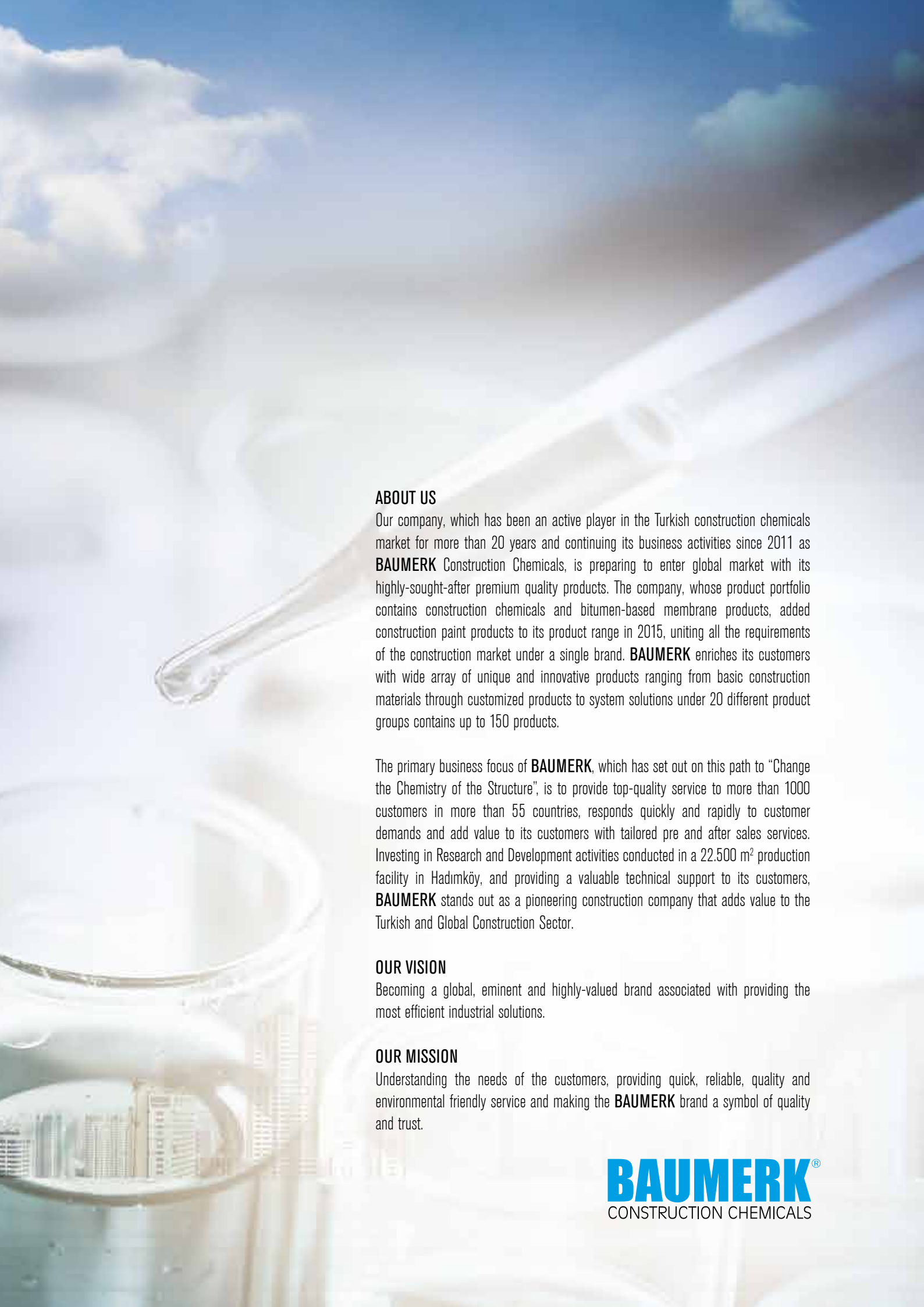


ABOUT US

Our company, which has been an active player in the Turkish construction chemicals market for more than 20 years and continuing its business activities since 2011 as **BAUMERK** Construction Chemicals, is preparing to enter global market with its highly-sought-after premium quality products. The company, whose product portfolio contains construction chemicals and bitumen-based membrane products, added construction paint products to its product range in 2015, uniting all the requirements of the construction market under a single brand. **BAUMERK** enriches its customers with wide array of unique and innovative products ranging from basic construction materials through customized products to system solutions under 20 different product groups contains up to 150 products.

The primary business focus of **BAUMERK**, which has set out on this path to "Change the Chemistry of the Structure", is to provide top-quality service to more than 1000 customers in more than 55 countries, responds quickly and rapidly to customer demands and add value to its customers with tailored pre and after sales services. Investing in Research and Development activities conducted in a 22.500 m^2 production facility in Hadımköy, and providing a valuable technical support to its customers, **BAUMERK** stands out as a pioneering construction company that adds value to the Turkish and Global Construction Sector.

OUR VISION

Becoming a global, eminent and highly-valued brand associated with providing the most efficient industrial solutions.

OUR MISSION

Understanding the needs of the customers, providing quick, reliable, quality and environmental friendly service and making the **BAUMERK** brand a symbol of quality and trust.

BAUMERK®
CONSTRUCTION CHEMICALS

Bitumen - Rubber Based Waterproofing Products

Cement Based Waterproofing Products

Terrace, Balcony and Wet-Damp Floor Waterproofing Products

Admixtures

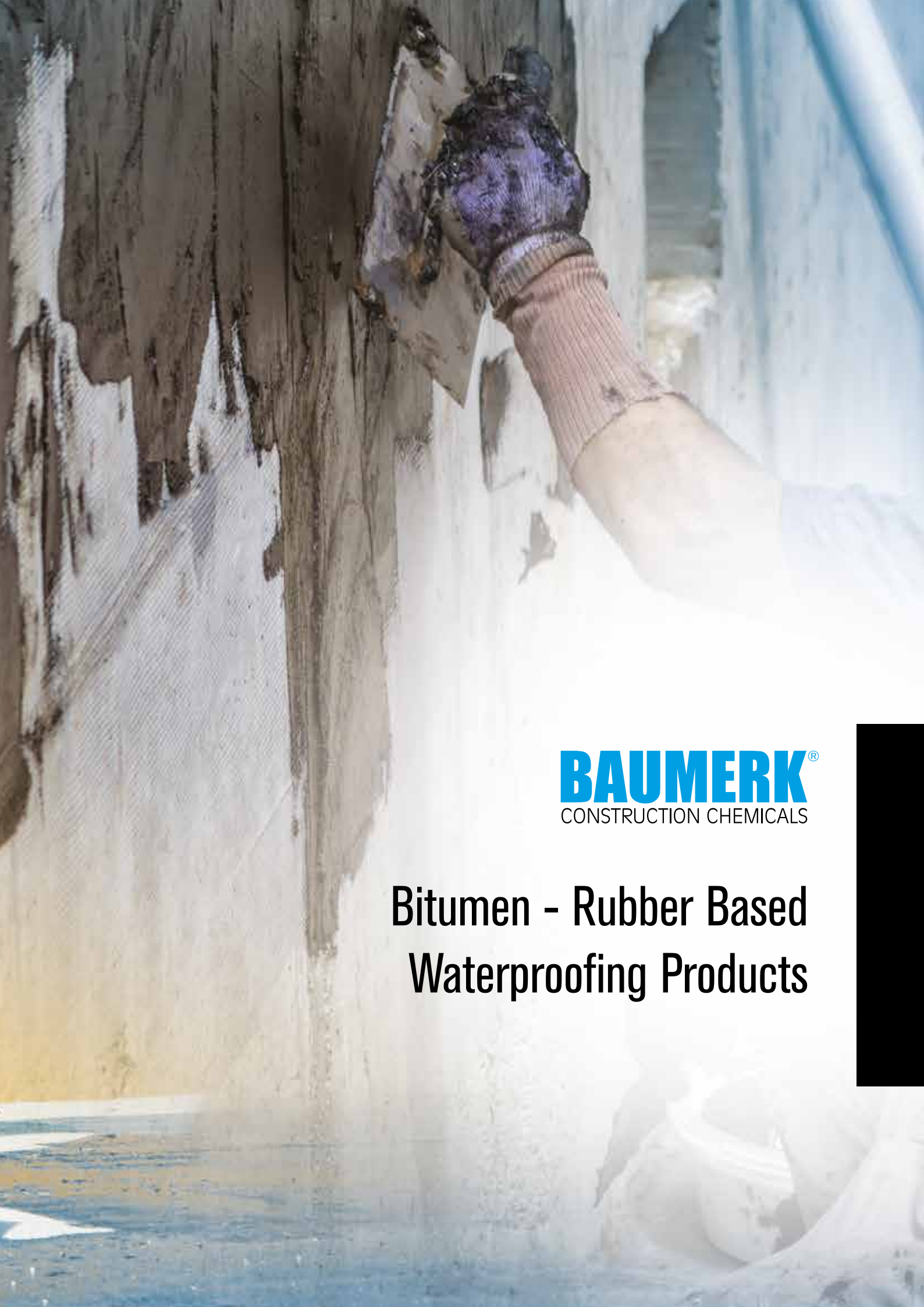
Joint Sealants and Mastics

Floor Systems

Repair and Reinforcement Systems

Complementary Products

BAUMERK®
CONSTRUCTION CHEMICALS



BAUMERK®
CONSTRUCTION CHEMICALS

Bitumen - Rubber Based Waterproofing Products

B PR 100

Bituminous Membrane Primer

Description
B PR 100 is a ready to use primer for bituminous membranes that obtained by mixing water and bitumen by using special methods.

Fields of Application
It can be applied as a primer before the application of all brands of bitumen membranes or bitumen liquid systems.

Features and Benefits
- Thanks to its superior adhesion, bituminous membrane can be adhere on the surface excellently.
- Adheres perfectly to all kind of surfaces, even when the surface is moist.
- Ready to use and easy to apply.
- Economic product.
- Suitable for interior application because of non-toxic and non-flammable content.
- Water based. Environment friendly.
- Applied as cold. Does not required heating and thinning.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Sharp tips and horizontal/vertical joints which are suitable cracking should be chamfered with REPAMERK 1 or PH 55. Big pores and cracks should be filled with REPAMERK 301 repair mortar.

Application Method
B PR 100 should be applied as cold. It should be applied with grass brush, roller or airless gun. It dries within 4-5 hours depending on the weather conditions. It should not be applied in rainy days or within the temperatures lower than +5 °C.

Consumption
0,250 kg/m^2 for each layer.

Package
17 kg metal can

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CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

B PR 101

Bitumen Emulsion (Bitumen Primer)

Description
B PR 101 is a ready to use waterproofing material and primer for bituminous membranes that obtained by mixing water and bitumen by using special methods.

Fields of Application
- Used as a priming coat before the application of all brands of roll or liquid bitumen membranes.
- In all horizontal and vertical applications.
- In base of buildings, underground storehouses and basements insulation from the direction of water (positive direction).
- In wet areas insulation such as bathroom, kitchen, balcony.
- In parquet flooring applications with hot bituminous materials, it is applied over the screed as an undercoat.
- Applied onto construction molds for easy demolding and providing a smooth surface.

Features and Benefits
- Thanks to its superior adhesion, bituminous membrane can be adhere on the surface excellently.
- After evaporation of the water it contains, it forms a waterproof and water-insoluble layer.
- Suitable for interior applications because of non-toxic and non-flammable content.
- Water based. Environment friendly.
- Adheres perfectly to all kind of surfaces, even when the surface is moist.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Sharp tips and horizontal/vertical joints which are suitable cracking should be chamfered with PH 55 or REPAMERK 1. Big pores and cracks should be filled with REPAMERK 301 repair mortar.

Application Method
B PR 101 should be applied as cold. It should be diluted with 20% water then applied with bitumen brush or airless gun. It dries within 4-5 hours depending on the weather conditions. It should not be applied in rainy days or within the temperatures lower than +5 °C. Second layer must be applied after first layer completely dry. For the applications that required higher durability against water pressure or on cracked surface, it must be reinforced with fiber glass, polyester felt, reinforcing fabric etc. The screed material that obtained by mixing B PR 101 with sieved fine sand and cement is applied with a trowel to smooth out and level the surface, or to provide a protective coat over insulation.

Consumption
0,400 kg/m^2 for each layer

Package
17 kg metal can
200 kg barrel

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CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

B PR 102

Bitumen Solution

Description
B PR 102 is a ready to use, rubber content, waterproofing bituminous solution without any filler. After evaporation of the solvents it contains, B PR 102 adheres firmly to the surface it is applied, forming an elastic waterproof layer.

Fields of Application
- B PR 102 is applied against ground humidity and leakages in building base, terrace roofs, balconies, water channels, secret gutters, retaining and curtain walls, and pool insulation from outside.
- To protect metal surfaces from corrosion by dipping, brushing or spraying applications.
- It can be applied as a primer before the application of all brands of bitumen membranes on metal surfaces.

Features and Benefits
- Thanks to its superior adhesion, bituminous membrane can be adhere on the surface excellently.
- Provides a seamless insulation layer.
- Resistant to sulfate.
- Applied as cold.
- Quick dry.
- Ready to use.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Sharp tips and horizontal/vertical joints which are suitable cracking should be chamfered with REPAMERK 1 or PH 55. Big pores and cracks should be filled with REPAMERK 301 repair mortar.

Application Method
B PR 102 is applied only onto the side exposed to water (positive insulation). It is ready to use, it does not need heating or thinning. It can be applied by brush, roller or spray gun.
B PR 101 is recommended as a primer for non-metal surfaces to provide excellent adhesion, avoid dust and improve durability. Although B PR 102 is a fast drying type of solution (2 hours approximately), it is recommended to wait 24 hours before applying a second coat. Reinforcing materials such as polyester felt, fibermesh, reinforcing fabric can be used to provide better durability against higher pressure. ALUCOAT should be applied as topcoat to obtain solar protection and aesthetic look on the roof which are continuously exposed to outdoor conditions and close the traffic.

Consumption
0,500 kg/m^2 for each layer.

Package
17 kg metal can
200 kg barrel

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CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

BLM 117

Bitumen-SBS Rubber Based Elastomeric Liquid Membrane

Description
BLM 117 is a solvent based, bitumen-SBS rubber content, single component ready to use elastomeric liquid membrane that used against to water and moisture. After evaporation of solvents it contains, BLM 117 adheres firmly on the substrate and forms an elastic waterproof layer.

Fields of Application
- In base of buildings against ground moisture and leaks.
- In retaining and curtain walls, galleries, drainage and piles.
- In terrace roof, balconies, water channels and gutters, bridges, viaducts on conditions that BLM 117 is applied under the coating and protected.
- In external isolation of pools against water and moisture.

Features and Benefits
- It is easy to apply and ready to use.
- Creates a seamless isolation layer.
- Elastomeric.
- Applied as cold. Does not require heating and thinning.
- Quick dry.
- Applied on pressurized water resistance areas with a reinforcing materials such as geotextile, fibermesh.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean, clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Sharp tips and horizontal/vertical joints which are suitable cracking should be chamfered with PH 55. Big pores and cracks should be filled with REPAMERK 1 or REPAMERK 301 repair mortar.

Application Method
BLM 117 is applied only onto the side exposed to water (positive insulation). It is ready to use, it does not need heating or thinning. It can be applied by brush, roller, rake or airless spray with at least two layers. Primers should be applied on the surface to provide excellent adhesion, avoid dust and improve durability. B PR 101 is recommended for non-metal surfaces, B PR 102 is used for metallic surfaces as primer. Although BLM 117 is a fast drying type of solution (2 hours approximately), it is recommended to wait 24 hours before applying a second coat. Reinforcing materials such as polyester felt, geotetxtile, fibermesh and reinforcing fabric can be used to provide better durability against higher pressure. ALUCOAT should be applied as topcoat to obtain solar protection and aesthetic look on the roof which are continuously exposed to outdoor conditions and close the traffic.

Consumption
0,600 kg/m^2 for each layer. Recommended at least 2 coats application.

Package
17 kg metal pail
200 kg barrel

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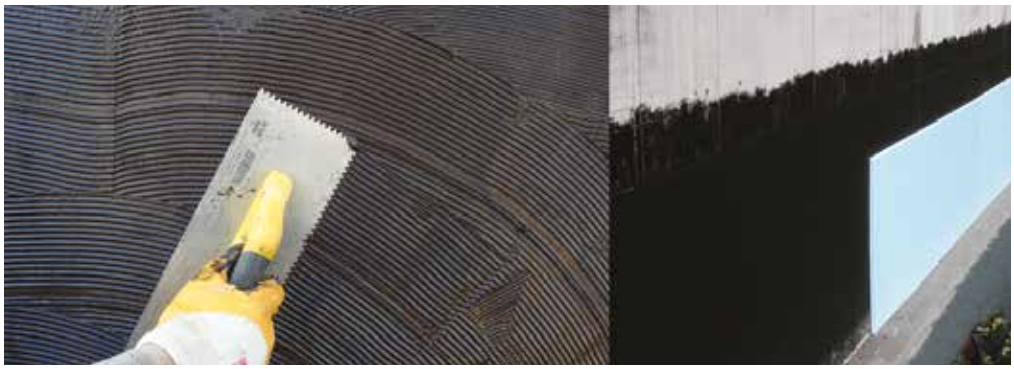
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

SCHOUBIT 1K

Bitumen-Rubber Modified, Water Based, Elastomeric Liquid Membrane



Description
SCHOUBIT 1K is a bitumen-rubber modified, water based, single-component, ready to use liquid membrane with elastomeric additives, used for insulating water and damp. By the evaporation of the water it contains, it adheres firmly to the applied surface and forms an elastic waterproof layer.

Fields of Application
- In all horizontal and vertical applications,
- In building base, underground storehouses and basements insulation from the direction of water (positive direction),
- In wet areas insulation such as bathroom, kitchen, balcony.

Features and Benefits
- Applied as cold. Does not require heating or thinning.
- Ready to use.
- Provides a seamless insulation layer.
- Suitable for interior applications because of non-toxic and non-flammable content.
- Water based. Environment friendly.
- Adheres perfectly to all kind of surfaces, even when the surface is moist.
- Covers the capillary cracks.
- Provides permanent elasticity.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Sharp tips and horizontal/vertical joints which are suitable cracking should be chamfered with PH 55 or REPAMERK 1. Big pores and cracks should be filled with REPAMERK 301 repair mortar. To ensure strong adherence, avoid dust, and improve durability, non-metallic surfaces must be undercoated with B PR 101, and metallic surfaces must be undercoated with B PR 102.

Application Method
SCHOUBIT 1K is ready to use material, it should be applied as cold. After mixed well, it is applied with trowel, bitumen brush or spray gun. It dries within 4-5 hours depending on the weather conditions. It should not be applied in rainy days or within the temperatures lower than +5 °C. Second layer must be applied after first layer completely dry. For the applications that required higher durability against water pressure or on cracked surface, it must be reinforced with fiber glass, polyester felt, reinforcing fabric etc. The screed material obtained by mixing SCHOUBIT 1K with sieved fine sand and cement is applied with a trowel to smooth out and level the surface or to provide a protective coat over insulation.

Consumption
0,80 - 1,0 kg/m² for each layer. Recommended at least 2 layers application.

Package
17 kg metal pail
200 kg barrel

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

SCHOUBIT 2K

Bitumen-Rubber Based, Cement and Fiber Modified, 2 Component, Liquid Membrane

Description
SCHOUBIT 2K is a two component, bitumen-rubber based and reinforced with fiber and elastomeric resins, elastic and quick dry liquid membrane. By evaporation of water it contains, it adheres firmly to the applied surface and forms an elastic waterproof layer.

Fields of Application
- In all horizontal and vertical applications, building base, underground storehouses and basements insulation and for insulating water leakages in wet areas such as bathroom, kitchen, balcony, toilets.
- For the applications that required higher durability against water pressure or on cracked surface, it can be reinforced with fiber glass, polyester felt, reinforcing fabric etc.

Features and Benefits
- Applied as cold. Does not require heating or thinning.
- Ready to use.
- Provides a seamless insulation layer.
- Suitable for interior applications because of non-toxic and non-flammable content.
- Adheres perfectly to all kind of surfaces, even when the surface is moist.
- Covers the capillary cracks.
- Provides permanent elasticity.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Sharp tips and horizontal/vertical joints which are suitable cracking should be chamfered with PH 55 or REPAMERK 1. Big pores and cracks should be filled with REPAMERK 301 repair mortar. To ensure strong adherence, avoid dust, and improve durability, non-metallic surfaces must be undercoated with B PR 101, and metallic surfaces must be undercoated with B PR 102.

Application Method
SCHOUBIT 2K is cold applicable. Powder B component in the bag is poured into liquid A component under low speed mixer, they are mixed together until there remains no lump, getting homogenous mixture. After they are mixed, it is applied with a bitumen brush or trowel. Depending on the weather conditions, it dries approximately in 1 - 2 hours. It can be applied on damp surfaces, but not on wet surfaces. It should not be applied under the rain or when the temperature lower than +5°C. Next layer should be applied when the previous layer completely dry.

Consumption
3,0 - 5,0 kg/m^2 for two layers.

Package
24 kg bitumen emulsion + 8 kg powder = 32 kg as a set

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You can download product TDS from our web site.

SCHOUBIT PLAST 1K

Bitumen-Rubber Based, Single Component, Super Elastic Liquid Membrane

Description
SCHOUBIT PLAST 1K is a bitumen-rubber based, ready-to-use, single-component liquid membrane with elastomeric additives that used for insulating water and damp.
By the evaporation of the water it contains, it adheres firmly to the applied surface and forms a highly elastic waterproof layer.

Fields of Application
- In building foundations,
- In basement floors and walls,
- In retaining walls,
- In tunnels and channels,
- In closed roofs and verandas.

Features and Benefits
- Easy to apply.
- It provides a seamless insulation layer.
- As a water-based material it is environment friendly.
- Due to its non flammable and non-toxic characteristics it can be safely used in closed areas.
- It provides permanent elasticity.
- It is ready to use.
- As a cold applied material, it does not require heating or thinning.
- It can cover capillary cracks.
- Immediately applicable, there is no need to wait for the curing of the concrete.

Application Procedure
Preparation of Substrate
The application surface should be without dust, rust, dirt, grease and oil. The loose parts should be scrapped out. B PR 101 should be used on non-metallic surfaces, B PR 102 should be used on metallic surfaces as primer. The sharp corners or horizontal-vertical joints should be rounded and angled with PH 55.

Application Method
SCHOUBIT PLAST 1K is a cold applied and ready to use material, it does not need to dilution. It can be applied with a bitumen brush, airless pump or trowel. Depending on weather conditions, it dries in approximately 5-6 hours. It should not be applied in rainy weather, when the temperature below +5°C. Next layer should be applied on dry layer.

Consumption
1,0 - 1,5 kg/m^2 for each layer. Recommended at least 2 layers application.

Package
23 kg metal pail
200 kg barrel

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CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

SCHOUBIT W

Bitumen-Rubber Based, One Component, Liquid Membrane

Description
SCHOUBIT W is a bitumen-rubber modified, water-based, ready-to-use, reinforced with elastomeric polymer resin additives, single-component liquid coating used against water and moisture. By the evaporation of the water it contains, it adheres firmly to the applied surface and forms an elastic waterproof layer.

Fields of Application
- It can be used on all horizontal and vertical surfaces.
- It is used for the external insulation of foundations, underground constructions, basements,etc.
- It is used for insulating water leakages in closed damp environments such as bathrooms, kitchens, toilets, etc.
- For the applications requiring durability against higher water pressure, and on cracked surfaces, it must be reinforced with polyester felt, reinforcing fabric, fibermesh, etc.

Features and Benefits
- Easy to apply.
- It provides a seamless insulation layer.
- As a water-based material it is environment friendly.
- Due to its non flammable and non-toxic characteristics it can be safely used in closed spaces.
- It enables good adhesion even when the surface is moist.
- It provides permanent elasticity.
- It is ready to use.
- As a cold applied material, it does not require heating or thinning.

Application Procedure
Preparation of Substrate
The application surface should be without dust, rust, dirt, grease and oil. The loose parts should be scrapped out. B PR 101 bitumen emulsion on concrete surfaces and B PR 102 on metal surfaces can be used as primer to ensure good adhesion. The sharp corners should be rounded and horizontal-vertical joints should be angled with PH 55. The large pores and the cracks should be repaired with REPAMERK 301 repair mortar.

Application Method
SCHOUBIT W is a cold applied and ready to use material, it do not need to dilution. After mixing, it can be applied with a bitumen brush, airless pump or trowel. Depending on weather conditions, it dries in approximately 5-6 hours. It should not be applied in rainy weather, and when the temperature below +5°C. Next layer should be applied on dry layer.

Consumption
0,80 -1,0 kg/m^2 for each layer. Recommended at least 2 layers application.

Package
17 kg plastic bucket
200 kg drum

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CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

BROOT 120

Bitumen-Rubber Based, Anti-root, Super Elastic Liquid Membrane

Description
BROOT 120 is a modified bitumen-rubber and solvent-based, single-component, ready to use waterproofing super elastic liquid membrane that containing root inhibiting additives. By the evaporation of the solvent, it adheres firmly to the surface it is applied, and forms a seamless durable waterproof and anti-root film.

Fields of Application
- Against rainfall and roots in terrace gardens, roofs and balconies,
- Provides waterproofing to underground garages and other structures which are covered with soil,
- Against ground humidity and leakage in foundations, foundation piles, retaining walls and curtain walls,
- Provides waterproofing to galleries, and drainage and water channels.

Features and Benefits
- Protects the insulation system from root.
- Provides seamless insulation coat.
- Applied as cold. Does not required heating or thinning.
- Quick dry.
- Elastomeric.
- To ensure perfect durability against higher pressure, it can be reinforced by glass fabric, geotextile felt or fiber mesh.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Sharp tips and horizontal/vertical joints which are suitable cracking should be chamfered with REPAMERK 1 or PH 55. Big pores and cracks should be filled with REPAMERK 301 repair mortar.

Application Method
BROOT 120 is a ready to use material, it does not require heating or thinning. It is applied only to the side contacting with water (positive insulation). It can be applied with a brush, roller or airless pump at least 3 layes. To ensure strong adherence, avoid dust, and improve durability, non-metallic surfaces must be undercoated with B PR 101, and metallic surfaces must be undercoated with B PR 102. Although BROOT 120 dries as fast as in approximately 2 hours, it is recommended to wait for a day before the application of the next coat. To ensure perfect durability against higher pressure, it must be reinforced by bearing materials such as glass fabric, felt, and insulation fabric.

Consumption
0,600 g/m^2 for each layer. Recommended at least 3 layers application.

Package
17 kg metal pail
200 kg barrel

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You can download product TDS from our web site.

ALUCOAT

Bitumen-Aluminum Based Reflective Paint

Description
ALUCOAT is single component, reflective aluminum pigment content, UV resistant, bitumen aluminum solution with excellent adhesion properties to bituminous surfaces.

Fields of Application
- To protect bituminous waterproofing materials against the harmful effects of UV light.
- To decrease the heat accumulation on surfaces of metal or concrete tanks and other buildings during daytime.
- To provide solar protection and aesthetic look to applied bituminous waterproofing materials on domes, vaults, north walls and prefabricated gutters.
- To protect tanks, pipes, gutters, etc. from corrosion with applied as a topcoat on BLM 117 or other bituminous materials.

Features and Benefits
- UV resistant. It provides long service life to bituminous waterproofing.
- Reflective properties provide a cool and more comfortable atmosphere for interior buildings.
- It improves aesthetic look of the buildings.
- Has excellent adhesion properties.
- Has excellent abrasion resistance.
- Fast curing. Resistant to weathering conditions.

Application Procedure
Preparation of Substrate
The bituminous waterproofing must be completed and in good condition. The surface has to have a slop for preventing water hole. Surface must be dry, dust free, oil free and clean.

Application Method
ALUCOAT is ready to use, no need to dilution and applied as cold. After opening the can; before and during the application, it must be stirred well. It can be applied with brush, roller or spray as one layer. If it is going to be applied on bituminous membranes, protective PE coating on membrane must be removed or burned.

Consumption
0,200 - 0,250 kg/m^2 for each layer. Recommended 2 coats application.

Package
4,5 kg metal can
17 kg metal pail

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You can download product TDS from our web site.

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Cement Based Waterproofing Products

CHIMEX 125

Cement-Acrylic Based, Two-Component, Semi-Elastic Waterproofing Material

Description
CHIMEX 125 is a cement-acrylic based, two-component, semi-elastic insulation material used on concrete and cement based plasters and applied from the inside and outside against leaking and surface water.

Fields of Application
- In water pressure exposed areas like pools, water tanks and in wet volumes such as terrace, balcony, basement.
- In building foundation, retaining wall, indoor and outdoor for vertical and horizontal applications.
- In facilities like spa, hamams.
- In insulation of flower gardens.

Features and Benefits
- It forms a water impermeable layer under screeds and ceramics with high adhesion performance and semi-elastic properties.
- Forms a jointless, seamless, permanent, water impermeable coating.
- Safely used in drinking water tanks.
- Water vapour permeable.
- Easy to apply.
- Long working time.
- Resistant to chemicals and salt solutions in soil.

Application Procedure
Preparation of Substrate
The application surface must be durable, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Big pores and cracks should be filled with REPAMERK 1 repair mortar. Application surface has to be wetted and then waited until it becomes wet/dry. After the first coat of CHIMEX 125, sharp tips and horizontal/vertical joints which are suitable cracking should be chamfered with REPAMERK 1 repair mortar or PH 127 then second coat of CHIMEX 125 should be applied.

Application Method
Liquid component B is poured into a clean container and mix at a low speed and then slowly added CHIMEX 125 powder component A. Continue mixing until obtaining a homogenous mixture without any agglomerate (approximately 3-5 minutes). Mixture should be applied with a brush as 2 or 3 layers. Brush application direction for each layer must be perpendicular to each other. Each layer must be applied after the first layer begin to harden and still wet. Surface should be wetted before second layer. Prepared mixture have to be used within 2 hours. In outer surface applications, the surface has to be protected from sun, wind, frost or rain during the first 24 hours.

Consumption
1,0 - 1,5 kg/m^2 for each layer. Recommended at least 2 coats application, if needed 3 coats might be applied.

Package
25 kg set
Powder A component: 20 kg kraft bag
Liquid B component: 5 kg plastic drum

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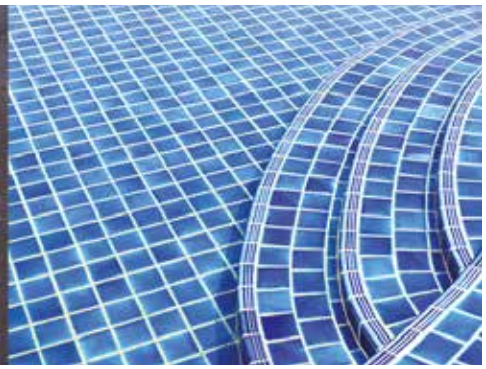
You can download product TDS from our web site.

CHIMEX 127

Cement-Acrylic Based, Two-Component, Full-Elastic Waterproofing Material



Description
CHIMEX 127 is a cement-acrylic based, two-component, full-elastic insulation material used on concrete, curtain and cement based plasters and applied from the inside and outside against leaking and surface water.

Fields of Application
- In water pressure exposed areas like pools, water tanks and in wet volumes such as terrace, balcony, basement.
- Building foundation, retaining wall, indoor and outdoor for vertical and horizontal applications from the direction of coming water.
- In facilities like spa, hamams.
- In insulation of flower gardens.

Features and Benefits
- Resistant to chloride water.
- Resistant to chemicals and salt solutions in soil.
- Can be used in areas that affected by movement and vibration.
- It forms a water impermeable layer under screeds and ceramics with high adhesion performance and elastic properties.
- Highly flexible properties provide excellent crack bridging performance.
- Provides up to 0,92 mm crack bridging performance with 2 mm thickness application.
- Long working time and easy to apply.
- Safely used in drinking water tanks.

Application Procedure
Preparation of Substrate
The application surface must be durable, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Big pores and cracks should be filled with REPAMERK 1 repair mortar. Application surface has to be wetted and then waited until it becomes wet/dry. After the first coat of CHIMEX 127, sharp tips and horizontal/vertical joints which are suitable cracking should be chamfered with REPAMERK 1 repair mortar or PH 127 then second coat of CHIMEX 127 should be applied.

Application Method
Liquid component B is poured into a clean container and mix at a low speed and then slowly added CHIMEX 127 powder component A. Continue mixing until obtaining a homogenous mixture without any agglomerate (approximately 3-5 minutes). Mixture should be applied with a brush as 2 or 3 layers. Brush application direction for each layer must be perpendicular to each other. Each layer must be applied after the first layer begin to harden and still wet. Surface should be wetted before second layer. Prepared mixture have to be used within 2 hours. In outer surface applications, the surface has to be protected from sun, wind, frost or rain during the first 24 hours.

Consumption
1,0 - 1,5 kg/m^2 for each coat. Recommended at least 2 coats application, if needed 3 coats might be applied.

Package
30 kg set
Powder A component: 20 kg kraft bag
Liquid B component: 10 kg plastic drum

You can download product TDS from our web site.

BAUMERK®
CONSTRUCTION CHEMICALS

CHIMEX 233

Cement-Acrylic Based, Two Component, Flexible, UV Resistant, Waterproofing Material

Description
White cement and acrylic based, two components, flexible waterproofing material with excellent UV resistant.

Fields of Application
• Indoor and outdoor, horizontal and vertical applications from the direction of water • Isolation of walkable terrace roofs (only under light weights) • Wet areas such as bathroom, kitchen, balcony • Swimming pools, potable and tap water reservoirst • Groundwork isolation, retaining walls and basement insulation • Irrigation channels, manholes, concrete pipes • Facilities such as spa and hamams • Against salty water where water impermeability and protection is needed.

Features and Benefits
• Elastic, do not shrink and crack. • Resistant to UV. • Water impermeable, resistant to 7 bars positive water pressure. • Highly resistant to carbon dioxide and chlorine ions. • Excellent adhesion property. • Forms a perfect isolation layer under ceramic and screed due to its flexibility and high bonding property. • High water vopour permeability allows the concrete to breathe. • Safe to apply on uncovered deck roofs exposed to light loads. • Provides seamless water isolation without joints. • Can be used safely in drinking water tanks.

Application Procedure
Preparation of Substrate
Application substrate must be dry, sound, mainly smooth, clean and fine pored. The application surface must be clear of materials which prevent bonding, such as oil, rust, paint, silicone, curing agents, detergents and paraffin wax. Weak parts of the concrete must be repaired, plasters that are not well adhered must be removed, the surface must be flat and sound, static cracks on the building must be repaired with a plaster containing LATEX or REPAMERK 301. Holes that have water outflow must be filled with WATERSHOCK. The surface must be saturated with water and must be kept moist during the application. On vertical and horizontal corners fillet with min. 4 cm radius must be applied.

Application Method
Pour liquid Part B into a clean mixing container and slowly add powder Part A while mixing with a 400-600 rpm mixer. Continue mixing for at least 3-5 minutes until a homogenous and uniform mixture is obtained. Wait for 3-5 minutes and mix again for approximately 30 seconds and becomes ready to use. Prepared CHIMEX 233 mixture is applied by brush or trowel as two or three layers. Brush application direction in each layer must be perpendicular to each other. Minimum 5 - 6 hours and maximum 24 hours, must be waited after first coat application at +20°C. Second layer must be applied before the first layer is not completely dry. In case the first layer is dry, the surface must be moisturized again before the application of the second layer. The surface must be protected from sunlight and prevented from drying quickly, for 3 days after the application of the second layer. It is recommended to use a mesh between the layers. Using mesh increases the reinforcing properties of the product. It gains mechanical strength in 3 days, becomes waterproof in 7 days. It gains final strength in 14 days. Ambient and substrate temperature should be between +5°C to +35°C during the application. Also application should not be made in very hot, rainy or windy weathers.

Consumption
1,5 kg/m² is applied on each layer. It is recommended that at least 2 coats. Recommended 3 coats if the application will be uncovered. Third coat is 1,0 kg/m².

Package
33 kg set
Component A: 25 kg kraft bag
Component B: 8 kg plastic drum

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You can download product TDS from our web site.

CHIMEX 235

Cement-Acrylic Based, Two Component, Flexible Waterproofing Material for Negative-Positive Applications

Description
Cement and acrylic based, super elastic, two component, resistant to positive and negative water pressure waterproofing material with high crack bridging property.

Fields of Application
• Indoor and outdoor for horizontal and vertical applications, • Groundwork isolation, retaining walls and basement isolation subject to slight vibrance, • Elevator pits, • Water tanks and swimming pools (under the coverage), • Isolation of terrace roofs (under the coverage), • Irrigation channels, manholes, concrete pipes, • Wet areas such as bathroom, kitchen, balcony, • Facilities such as spa and hamams, • To protect concrete from water, carbonation and salts.

Features and Benefits
• Resistant to negative and positive water pressure. • Elastic, do not shrink and crack. • Provides highly performing water isolation. • Forms a perfect isolation layer under ceramic and screed due to its flexibility and high bonding property. • Highly resistant to carbon dioxide and chlorine ions. • High water vopour permeability allows the concrete to breathe. • Covers cracks up to 0.60 mm when applied as 2 mm thick and up to 1.20 mm when reinforced with waterproofing fiber mesh. • Not affected temperature changing after curing. • Provides seamless water isolation without joints. • Can be used safely in drinking water tanks.

Application Procedure
Preparation of Substrate
Application substrate must be dry, sound, mainly smooth, clean and fine pored. The application surface must be clear of materials which prevent bonding, such as oil, dust, paint, silicone, curing agents, detergents and paraffin wax. Weak parts of the concrete must be repaired, plasters that are not well adhered must be removed, the surface must be flat and sound, static cracks on the building must be repaired with a plaster containing LATEX or REPAMERK 301. Holes that have water outflow must be filled with WATERSHOCK. The surface must be saturated with water and must be kept moist during the application. Perpendicular corners should be beveled.

Application Method
Pour liquid Part B into a clean mixing container and slowly add powder Part A while mixing with a 400-600 rpm mixer. Continue mixing for at least 3-5 minutes until a homogenous and uniform mixture is obtained. Wait for 3-5 minutes and mix again for approximately 30 seconds and becomes ready to use. Prepared CHIMEX 235 mixture is applied by brush or trowel as two or three layers. Brush application direction in each layer must be perpendicular to each other. Minimum 5 - 6 hours and maximum 24 hours, must be waited after first coat application at +20°C. Second layer must be applied before the first layer is not completely dry. In case the first layer is dry, the surface must be moisturized again before the application of the second layer. The surface must be protected from sunlight and prevented from drying quickly, for 3 days after the application of the second layer. It is recommended to use a mesh between the layers. Using mesh increases the reinforcing properties of the product. It gains mechanical strength in 3 days, becomes waterproof in 7 days. It gains final strength in 14 days. Ambient and substrate temperature should be between +5°C to +35°C during the application. Also application should not be made in very hot, rainy or windy weathers.

Consumption
1,25 - 1,5 kg/m² is applied on each layer. It is recommended that at least 2 coats. Recommended 3 coats if required high protection.

Package
35 kg set
Component A: 25 kg kraft bag
Component B: 10 kg plastic drum

You can download product TDS from our web site.

BAUMERK® CONSTRUCTION CHEMICALS

CRYSTAL 25

Cement Based, Crystalized Waterproofing Material

Description
Cement-based, one component, applicable on positive and negative directions, active chemical additive content waterproofing material that protects the concrete and provides water impermeability by creating a crystalized effect. It can be produced in grey or red color.

Fields of Application
In internal and external applications from positive and negative directions; foundations and curtain walls, water tanks, tunnels, elevator pits, retaining walls, dams and harbors.

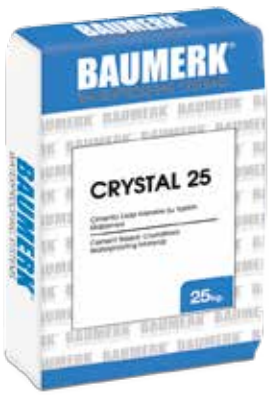
Features and Benefits
- Fills the capillary gaps by forming permanent (insoluble) crystals and enables water impermeability.
- Resistant to negative and positive water pressure.
- Protects the concrete against corrosion.
- Water vapour permeable.
- Improves abrasion and impact resistance of concrete.
- Non-toxic. Safely used in water tanks.

Application Procedure
Preparation of Substrate
The application surface must be durable, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Concrete surface must be smooth and cracks must be filled with LATEX plaster or REPAMERK 301. Water leakage areas should be filled with WATERSHOCK. The sharp corners and joints of structural members must be chamfered. Before the application, the surface must be saturated with water by moisturizing.

Application Method
25 kg CRYSTAL 25 should be diluted with 7-8 lt water under the low speed mixture during 3-5 minutes until getting homogenous mixture. For every application, water should be added on CRYSTAL 25 and mixture should be consumed within 20 minutes. Mixture should be applied on the surface with brush. Second coat must be applied when the first coat sufficiently cured. This time may change between 3 to 5 hours depending on environment conditions. Application period between each coat must be maximum 6 hours. After CRYSTAL 25 application, material must be protected from losing its water rapidly. Do not use curing compounds. Applied surface must be kept wet for 5-7 days. In water tanks, 24 hours after the application, water tank must be filled with water to increase crystal formation and penetration depth. Application must be protected from direct sun light, wind, frost and rain in 24 hours.

Consumption
1,0 kg/m^2 powder product for each coat. Recommended at least 2 coats application, if needed 3 coats may be applied.

Package
25 kg kraft bag



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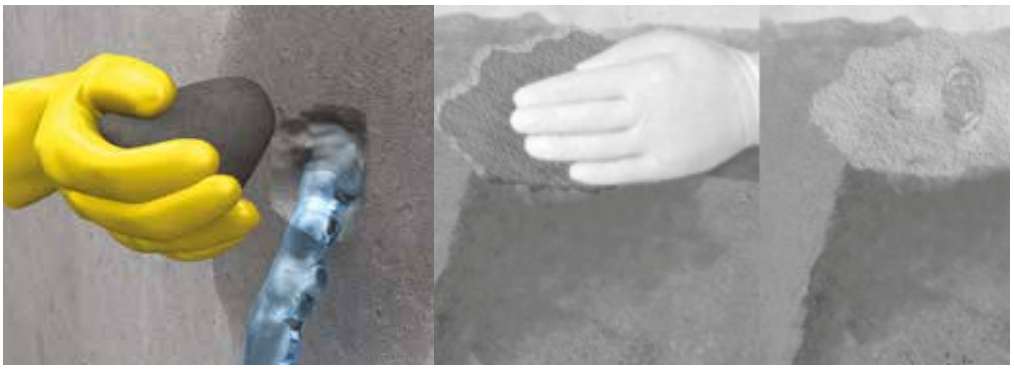
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

WATERSHOCK

Cement Based, Fast Setting, Waterproofing Material (Waterplug)



Description
Cement-based, reinforced with mineral filler, special additives and polymers, quick-setting, one-component waterproofing material that instantly stops running water through holes or cracks in concrete or masonry. It expands as it sets to lock into place even under constant water pressure.

Fields of Application
• Repairing static cracks. • Waterproofing of active water leak. • To block water leak before waterproofing. • To chamfered edge and corner joints and repaired cold joints. • In underground and surface structures, sewer systems.

Features and Benefits
• Easy to prepare and apply. • Stops water leaks due to the fast setting property. • Works as a water leak plug with expanding volume. • Resistant to corrosion. • Non-toxic. Safely us in water tanks. • Topcoat insulation material can be applied within a short time after application.

Application Procedure
Preparation of Substrate
The application surface must be clear, durable and clean off any dirt, dust, paint, mud, etc. that may prevent the product from sticking on the surface. The cavities, cracks, or the leakage points from which the active water leakage occurs must be opened up to the solid ground. The surface must be dampened before the application.

Application Method
WATERSHOCK is added into the clean container, added specified amount of water and mixed by hand until getting homogenous blend. 5 kg WATERSHOCK should be mixed with 1,20 - 1,40 lt clean water. It is absolutely necessary to wear rubber glove during this process. Do not mix exceed 30 seconds. For stop active water from running through concrete and masonry, cut out cracks or hole to until reaching solid. During the mixture stirring, mortar gets warm. Warmer mortar is shaped manually by hand, pressed into the region to be plugged firmly and held until it becomes rigid. Do not remove hand pressure too soon so as to provide some confinement to WATERSHOCK expansion during its set. Do not twist the material during placement or disturb during set time. To stop leaking mortar joints or static cracks in below-grade masonry and concrete walls, cut out defective mortar joints or cracks to deep enough and then WATERSHOCK is filled into opening and keep damp for at least 15 minutes or until a set is fully achieved. To anchor steel bolts or posts in vertical concrete or masonry, drill a hole deep enough and large enough on all sides of bolt or post. Holes must be clean off all dust and dirt particle and dampened. Fill the hole with WATERSHOCK and damp so that entire hole is full. Immediately center bolt or post over hole and force into the putty-like WATERSHOCK. The regions from which too much water leaks or the deep holes can be plugged by applying multiple layers. The mortar application surface must be cooled and cured by damping for 15 minutes after the application.

Consumption
Variable

Package
5 kg plastic bucket

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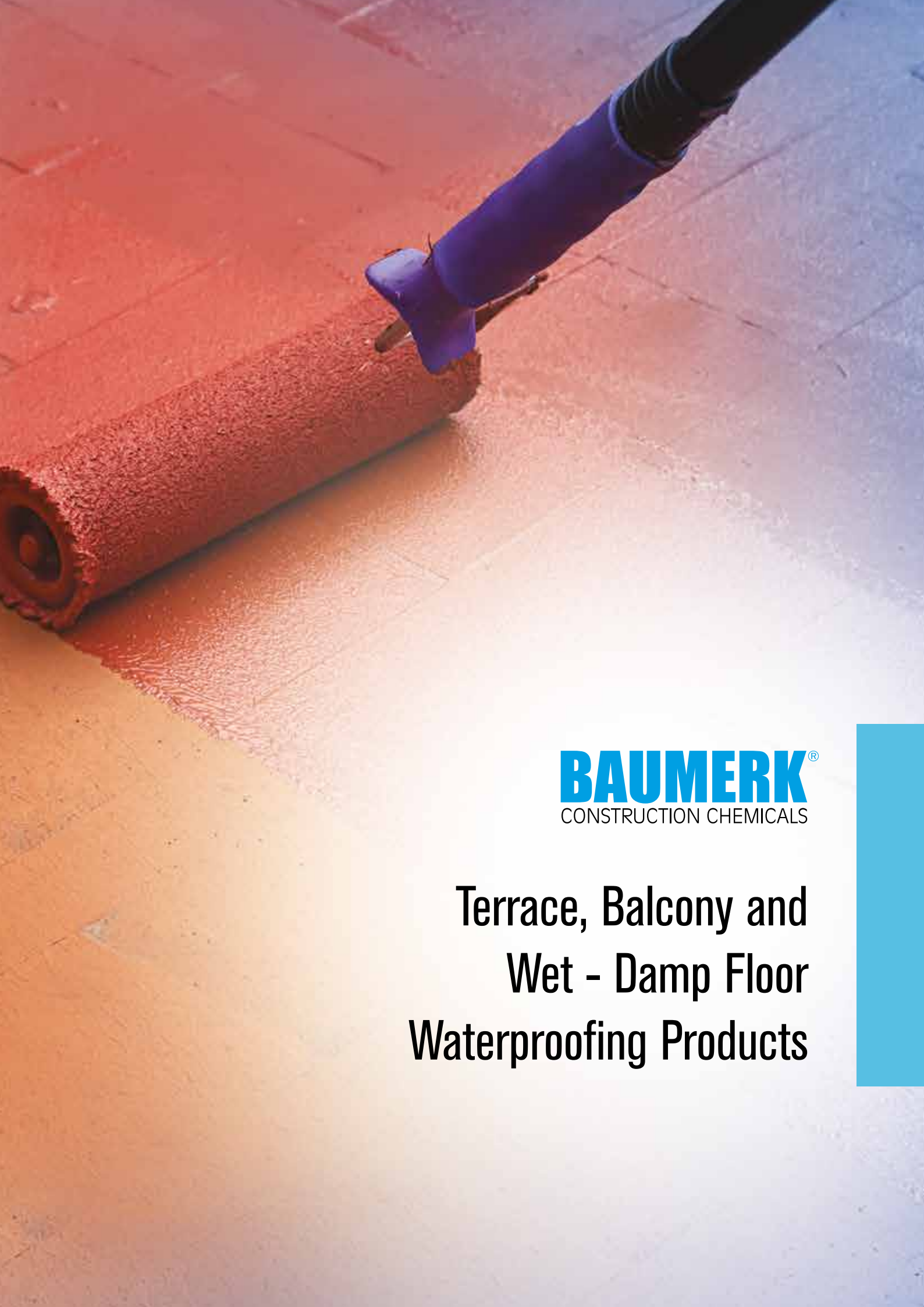
You can download product TDS from our web site.



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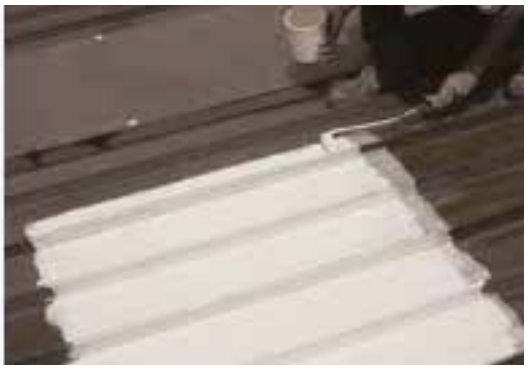
Terrace, Balcony and Wet - Damp Floor Waterproofing Products

WHITECOAT

Acrylic Based, UV Resistant, Elastic Waterproofing Material



Description
WHITECOAT is an acrylic-based, single component, UV resistant, ready to use waterproofing material.

Fields of Application
- On inclined terrace roofs,
- On exterior areas for vertical and horizontal applications,
- On concrete, zinc and precast rain gutters,
- On concrete, plaster, brick, tile, gas concrete, wood, galvanized steel, zinc etc. for protecting building against water and moisture.

Features and Benefits
- Single component.
- Ready to use, easy to apply.
- High adhesion strength.
- Colorable.
- Creates crack bridge and remains its elasticity.
- UV resistant.
- Water-based, nontoxic, and nonflammable.

Application Procedure
Preparation of Substrate
The application surface must be clean, durable and dry, clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Big pores and cracks on the application surface should be filled with REPAMERK 1 or 301 repair mortar. Sharp tips and horizontal/vertical joints which are suitable cracking should be chamfered with REPAMERK 1 repair mortar or PH 127.

Application Method
WHITECOAT is a ready to use material. Depending on the application surfaces, WHITECOAT should be applied as a primer with thinned by water in the ratio of 1:1 or applied SPR 104. First coat of WHITECOAT should be diluted with 20% water, for second coat does not need dilution. If the surfaces that will be walked on have to reinforced with suitable mesh; first layer of WHITECOAT is applied on dry primer with brush or roller. While first layer is wet, apply the fibermesh on it by roll, and ensure that the fibermesh is buried into WHITECOAT. Leave to dry for minimum 2 hours. Then, complete the application of the 2nd layer of WHITECOAT so that the net beneath will be covered completely. Apply the final coat so that the total covering thickness will be completed and leave the covering to dry for one night. Application must be protected from direct sun light, wind, frost and rain in 24 hours. WHITECOAT is not applied on wet and damp surface. Not recommended for water tanks, pools.

Consumption
0.75 - 1.50 kg/m^2 for each layer. Recommended at least 2 layers application.
Recommended 2 - 3 kg/m^2 in drain pipes and rain gutters; 3 - 4 kg/m^2 in terraces.

Package
20 kg plastic bucket

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

WHITECOAT SP

Acrylic Based, UV Resistant, Super Elastic Waterproofing Material

Description
WHITECOAT SP is an acrylic-based, single component, ready to use, super elastic water insulation material.

Fields of Application
- In flat or inclined roof
- In water insulation in old - new terrace roofs.
- In terrace, balcony, rain gutter, strainer, draining board, canals, chimney surroundings and undercoating insulation of the wet areas.

Features and Benefits
- Single component.
- Ready to use, easy to apply.
- Protects elasticity under low temperatures.
- UV resistant.
- Permits water vapour to the surface.
- Can be painted with acrylic paint.
- Colourized with water based pigment paste.

Application Procedure
Preparation of Substrate
The application surface must be dry, sound, mainly smooth, clean and clear of materials which prevent bonding, such as oil, rust, paint, silicone, curing agents, detergents and paraffin wax. Surface defects and voids should be repaired with suitable REPAMERK repair mortars. Steel surfaces should be primed with suitable anti-corrosion material before application. WHITECOAT SP diluted to 25-30% or SPR 104 acrylic primer should be used as a primer on surfaces like eternit, foamed blocks, brick, tile, masonry, concrete and plaster.

Application Method
WHITECOAT SP is applied on the substrate by brush, roller or spray as two or three layers. Brush application direction in each layer must be perpendicular to each other. Minimum 4 - 5 hours should be waited between the layers. This product is not suitable on its own for waterproofing against hydrostatic pressure. It is recommended to reinforce the vertical and horizontal joints of excessively cracked surfaces by using geotextile protection layer or fibermesh.

Consumption
0,75 kg/m^2 per layer for vertical, 1,0 - 1,5 kg/m^2 per layer for horizontal places. Recommended at least 2 layers application.

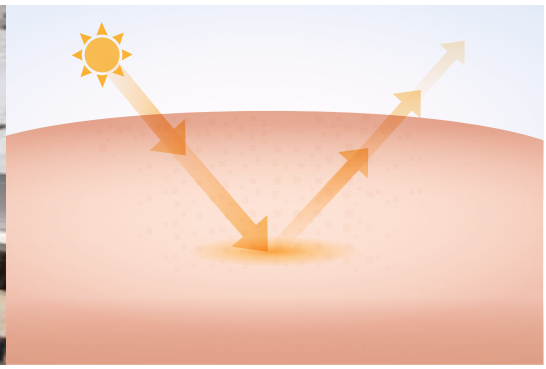
Package
20 kg plastic bucket

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

SOLARCOAT

UV Resistant, Acrylic-Based, Waterproofing and Heat Insulation Material



Description
SOLARCOAT is UV resistant, acrylic based, single component, elastic waterproofing and heat insulation material that used for reducing the interior temperature of the buildings with reflecting radiant heat energy and minimize the surface temperature with its micro-spherical particles. Through heat ceramic micro-spheres contained in the product, the protection system provides energy saving up to 25-30%. The sun's rays reflecting back 95%.
The UV's rays reflecting back 85%.

Fields of Application
- In roofs and walls of buildings.
- In concrete, plaster, stone, metal, brick, wood and decorative coating.
- In exterior surfaces under influence of marine areas.

Features and Benefits
- Single-component ready to use, easy to apply.
- Water-based, non-toxic and non-flammable.
- Reduces interior temperature of the residences and cuts down costs by reducing energy. consumption in cooling.
- High adhesion performance.
- Prevents mold and fungus forming.
- Forms crack bridging and protects elasticity.
- Resistant to UV lights.

Application Procedure
Preparation of Substrate
The application surface must be clean and dry and free from grease, rust, dirt, mold, etc. Cracks and loose parts must be repaired. For obtain better adhesion, surface should be sanded. Surface should be primed with using SPR 104, for better adhesion and saturation of high absorbent surface. Metal surface should be primed with anti-rust primers.

Application Method
Application surface should be primed with proper primer and then waited drying. SOLARCOAT should be applied with brush, roller or airless spray gun as two or more layers. Waited 4-8 hours between the coats. After the application of last coat, surface should be dried within 24 hours and protected from direct sun light, wind, frost and rain in this time. In large areas, surface should be divided by masking tape to obtain more uniform appearance.

Consumption
1,30 - 1,80 kg/m^2 for 2 layers.

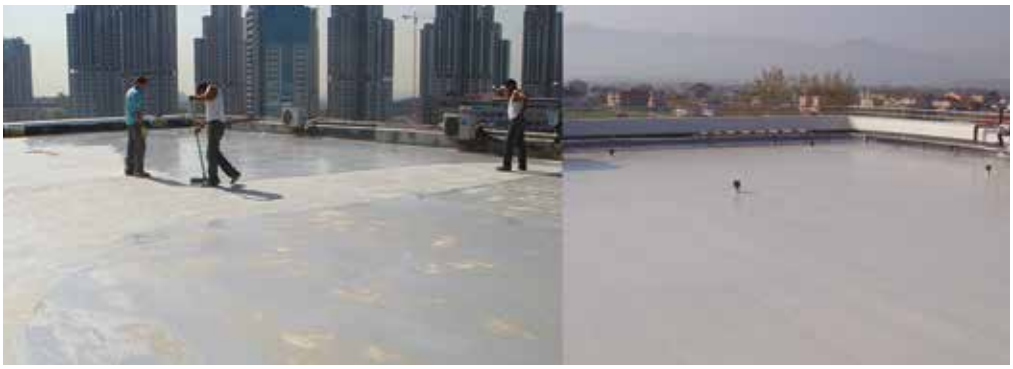
Package
20 kg plastic bucket

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

PUR 625

Polyurethane Based, UV Resistant, One Component, Waterproofing Material



Description
PUR 625 is a polyurethane-based, UV resistant, single component, liquid waterproofing material that suitable for pedestrian traffic.

Fields of Application
- On concrete, stone, metal etc.
- In gutters, channels, ducts.
- On terrace roofs.
- For protecting polyurethane foams.
- For creating a protective layer against water and moisture.

Features and Benefits
- Excellent adhesion performance.
- High UV resistant, long life.
- Resistant to weathering conditions, diluted acid, bases, salts and chemicals.
- Single component, ready to use elastic material.
- Covers capillary cracks.
- Can be applied as a protected coating on polyurethane materials.
- Due to the elastic properties, creates seamless, waterproof and protective coat.
- Resistant to plant root.
- Suitable for pedestrian traffic after curing.

Application Procedure
Preparation of Substrate
The application surface must be dry, clean and free from all types of grease.
During the application, moisture must be below 4%.

Application Method
Material is ready to use. After mix well the material, it should be applied roller, brush or sprayer at least 2 coats. Recommended that waiting 12 hours before applying next coat. During the application wearing gloves is absolutely recommended. Final curing takes 5 days.

Consumption
0,75 - 1 kg/m^2 for each layer. Recommended at least 2 layers application.

Package
25 kg metal pail

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CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

PU TOP 210

Polyurethane Based, Two Component, Aliphatic Top Coat

Description
PU TOP 210 is a two component, aliphatic polyurethane based, interior and exterior top coat for concrete and metal surfaces, low viscosity, UV resistant, featuring a glossy or matt surface appearance, self levelling coating.

Fields of Application
- In wet volumes such as terrace, balcony, roofs etc.
- On concrete and metal surfaces.
- On polyurethane, polyurea and epoxy coated surfaces.
- On exterior surfaces as top coat because of UV resistant.
- For outdoor and indoor swimming pools.

Features and Benefits
- UV resistant.
- Protects the surface against water, rain, sunlight.
- Resistant to mechanical loads, abrasion and chemicals.
- Provides water impermeability on applied all horizontal and vertical applications.
- Covers surface cracks and defects.
- Used on wet volumes such as terrace, balcony.
- Easy to clean, quick dry and dust-free.
- Long working time, protects elasticity and color.

Application Procedure
Preparation of Substrate
The application surface must be durable, dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. The residual moisture content of the substrate must not exceed 4%. Big pores and cracks should be repaired with suitable BAUMERK repair mortar. Before applying PU TOP 210, the substrate should be primed with appropriate BAUMERK primers.

Application Method
Prior to mixing, stir part A and B separately with a mechanical drill at a very low speed.
B component is poured into A component under low speed mixer, they are mixed together during 3 minutes until there remains no lump, getting homogenous mixture. After the mixing, prepared mixture can be applied on a surface, which is already primed with appropriated BAUMERK primer, with a brush, roller or spray gun. Mixture must be used within 40 minutes. Maximum 100 micron wet film thickness have to be applied for each layer. Two coats application is sufficient. Depending on the weathering conditions, second layer should be applied 2 hours later.

Consumption
0,150 - 0,200 kg/m² for each layer.

Package
A component + B component = 20 kg set

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CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

POLIXA 2

Polyurethane Based, Waterproofing Material for Potable Water Tanks

Description
Two component, polyurethane-based, solvent-free liquid waterproofing material for especially potable water tanks.

Fields of Application
- Especially developed for waterproofing metal or concrete water tank insulation.
- On concrete, marble, plaster, stone, wood and metal surfaces for waterproofing and coating.
- On concrete or ceramic coated terrace for waterproofing or floor coating, if UV resistant coating is applied on the top.
- Used for providing a waterproof coating resistant to light car and pedestrian traffic.

Features and Benefits
- Solvent-free. Safely used in interior areas.
- Suitable for potable water tanks.
- Excellent adhesion performance.
- High abrasion and impact resistance.
- Resistant to corrosion.
- No harmful effect to health.

Application Procedure
Preparation of Substrate
The application surface must be durable, dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. POLIXA 2 results foaming when applied to wet surfaces. For this reason, EPOX PR 300 should be used on concrete surfaces as a primer.

Application Method
Application temperature should be beetwen+ 5°C to + 30°C. Component B, hardener, is slowly poured into Component A, main component, under the low speed drill and continue mixing until obtaining a homogenous mixture without any agglomerate (approximately 3-4 minutes). The mixture must be consumed within 30 - 45 minutes; later it cannot be applied due to jelling. Mixture should be applied with a brush or roller as 2 or 3 layers. Brush application direction in each layer must be perpendicular to each other. Each coat must be applied 6 hours later than the preceding coat. If this interval exceeds 24 hours, the first coat must be sandpapered prior to the application of the second coat. After the application the surface must be protected from water, rain for at least 6 - 8 hours. Dry sand should be added on POLIXA 2 while floor coating.

Consumption
Minimum 0,600 kg/m^2 for each coat. Recommended at least 2 layers application.

Package
A component: 5 kg resin + B component: 1 kg hardener = 6 kg set in metal pail
A component: 20 kg resin + B component: 4 kg hardener = 24 kg set in metal pail

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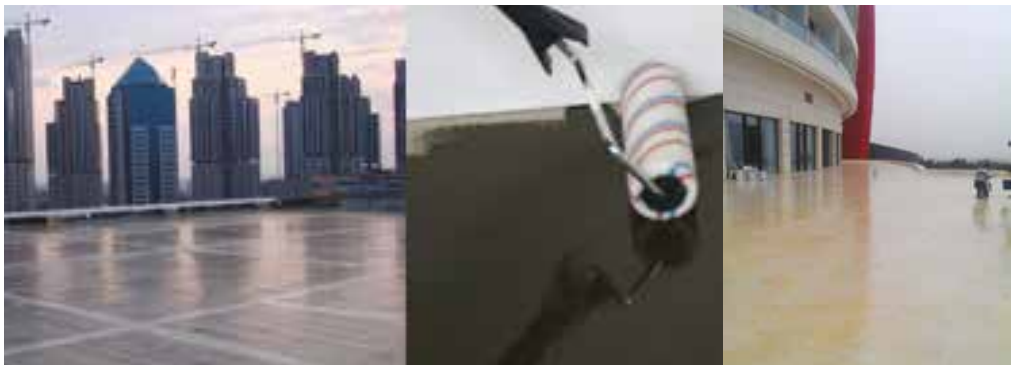
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

PU 101 A

One Component, Polyurethane Concrete Primer



Description
Polyurethane based, transparent, single component concrete primer with a high solid ratio.

Fields of Application
- On concrete or similar substrates.
- On polyurethane based topcoat.
- On polyurethane based parquet and floor coating.

Features and Benefits
- Fills the pores of concrete and similar substrates that it's used.
- Single component and easy to apply.
- Provides durable primer after curing.
- Provides excellence adhesion between substrate and topcoat.
- Resistant to water and chemicals.

Application Procedure
Preparation of Substrate
The application surface must be durable, dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Big pores and cracks should be repaired.

Application Method
Material is ready to use. Before the application, primer must be mixed well and then applied with a roller. To completely cover pores on absorbant surfaces second coat should be applied at least 6 - 8 hours later than the first coat. After the application the surface must be protected from water for 4-5 hours.

Consumption
0,100 - 0,250 kg/m² for each layer.

Package
15 kg metal pail

You can download product TDS from our web site.

PUR 501

Transparent Polyurethane Based, One Component, Waterproofing Material

Description
Polyurethane based, single component, ready-to-use, highly elastic, UV resistant, transparent final layer coating and water isolation material especially for non-absorbent surface such as ceramic, glazed tiles, glass etc.

Fields of Application
- On exterior areas,
- In balconies and deck roofs with light foot traffic,
- In balconies and terraces covered with glazed tiles, ceramics, natural stone, marble, mosaic, floor tiles without changing top of substrate appearance to waterproofing purposes.

Features and Benefits
- Suitable for pedestrian traffic area applications.
- Resistant to abrasion and water.
- Provides high adherence even though old coatings.
- Due to the transparent appearance creates a decorative water insulation without changing bottom substrate / coating appearance.
- Resistant to weathering conditions, UV light and yellowing.
- Provides seamless and jointless water isolation.
- Protects its properties even though low and high temperatures such as -30°C ile +90°C.

Application Procedure
Preparation of Substrate
The surface must be dry, sound, clean off materials which prevent bonding, such as dust, oil, paint, silicone, curing agents and detergents. Moisture and water may come from the negative side of ceramic and glazed tiles substrates must be sealed before application. The surface must be dry and free of moisture before the application. If material will be applied on fresh concrete, final curing time of concrete, 28 days, must be waited before the application. Smooth and bright surfaces can be roughened with sandpaper then surface is primed with PU 101 A pu primer or EPOX PR 300 epoxy primer.

Application Method
PUR 501 is ready to use, do not mix with any other material. PUR 501 is applied on primed surface within 1-2 hours. Waiting period must not exceed 4 hours. PUR 501 is applied on the surface with a brush or roller at least two coats as thin layers. The waiting period between each layer is 12 - 18 hours. Final curing takes place in 7 days. Surface must be protected from rain and water during 2-3 hours after application.

Consumption
0,400 - 0,600 kg/m for each coat. Recommended at least 2 layers application.

Package
10 kg metal pail

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

PU-B 1K

Polyurethane Based, Bitumen Modified, Single Component, Liquid Waterproofing Material

Description
PU-B 1K is a polyurethane-based and bitumen modified, single component, ready to use liquid waterproofing material.

Fields of Application
- On concrete, stone, fiber-cement sheets and metal surfaces
- In eaves trough and canals
- On terrace roofs
- In cold storage depot
- In swimming pools against water and moisture

Features and Benefits
- Easy to use, single component, elastic material, it does not flow on vertical surfaces.
- Covers to capillary cracks.
- Provides a seamless, waterproof and protective coat.
- Has high adhesion performance. Shows excellent adhesion even though on aged coatings.
- Highly resistant to aging, diluted acids, bases, salts, chemical substances, mildew, and weather conditions.
- Stable to depolymerization. Can be applied on polyurethane foam.
- Elastic properties prevent the cracks on the surfaces that it is applied.
- Has a high solid substance ratio.
- Resistant to plant roots.
- 72 hours after application, surface will be ready to pedestrian traffic.

Application Procedure
Preparation of Substrate
The surface should be dry, clean and free from all types of grease. The application surface should be dry, have not any wet areas. Otherwise the product results in foaming and swelling on wet parts. Maximum humidity must be 5%. Fresh concrete surfaces should be dried at least 15 days before application.

Application Method
The material should be mixed thoroughly and applied by a brush, roller or spray. Application should be done with at least two coats and thin layers. 12 hours waited is recommended between the layers. Final curing completed after 5 days.

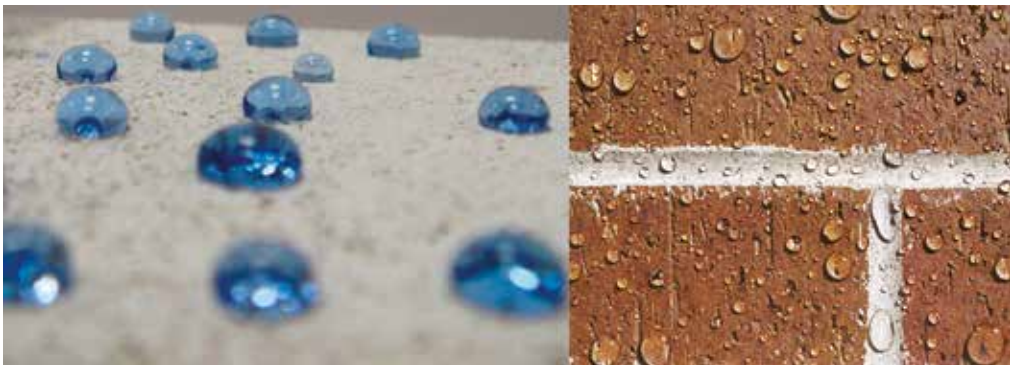
Consumption
At least 1,500 kg/m² for two layers.

Package
25 kg metal pail

You can download product TDS from our web site.

SILOX

Invisible Water Repellent and Surface Impregnating Material



Description
SILOX is a solvent and silane-siloxane based, single component, surface impregnating and priming material which provides an invisible waterproof barrier in capillaries it is applied.

Fields of Application
- Application surface must definitely has a sharp downstream slope.
- On high absorbent surfaces such as concrete, mineral surface, gas concrete, brick, roofing tiles etc.; mineral based natural and artificial stones; mineral based painted surfaces; monuments, statues. For restoration purposes.
- It is not recommended under high pressure water, on glazed surfaces, in underground conditions with high hydrostatic pressure or on painted surfaces.

Features and Benefits
- An invisible material which does not form any film on the surface.
- It is the ideal material for the surfaces where the appearance must not change.
- Has vapor permeability; provides breathability for the surface.
- Has water repellent effect.
- It will be not tacky after curing.
- It does not form a layer on the surface.
- It protects the surface against mold, meldew, fungus.
- It is resistant to alkaline environment.
- It provides heat economy.
- It has high UV resistance.

Application Procedure
Preparation of Substrate
The application surface must be clean and dry and free from grease, rust, dirt, mold, etc. Cracks and loose parts must be repaired. The surface to be treated for water insulation must be inclined downstream. Building elements such as window frames or panels must be protected during application.

Application Method
SILOX surface impregnating material should be applied by using brush, roller or spray gun. The application method is saturating the surface wet on wet at least two layers.
Topcoats must be applied on the SILOX after 24 hours.

Consumption
0,200 - 0,600 kg/m² for each layer depending on absorbency of the surface.

Package
3,5 kg metal can
15 kg metal can

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You can download product TDS from our web site.

TRANSCOAT

Water Based, Transparent Waterproofing and Impregnating Material

Description
TRANSCOAT is a water based, water insulation and prime coat material that provides perfect water repellence by impregnating the application surface and creating an invisible barrier against water in the capillary channels.

Fields of Application
- On ceramic and faience coated balcony and terrace before insulation.
- Provides water repellent effect in the joints of non-porous building elements such as ceramic, faience, glass tile, glass mosaic etc.
- On high absorbent surfaces such as concrete, mineral surface, gas concrete, brick, roofing tiles etc.; mineral based natural and artificial stones; mineral based painted surfaces; monuments, statues.

Features and Benefits
- An invisible material which does not form any film on the surface.
- It is the ideal material for the surfaces where the appearance must not change.
- It has vapor permeability; provides breathability for the surface.
- It has water repellent effect.
- It will be not tacky after curing.
- It does not form a layer on the surface.
- It protects the surface against mold, mildew, fungus.
- It is resistant to efflorescence.
- It is resistant to alkaline environment.
- It is non-explosive and non flammable
- Water based. Environment friendly.
- It has high UV resistance.

Application Procedure
Preparation of Substrate
Damaged joints must be repaired and filled. The application surfaces must be clean, dry and clean off oil, rust, dirt, mildew, etc. The cracks, loose parts on the surface must be repaired.

Application Method
TRANSCOAT is ready to use material, it should be mixed thoroughly before application. It should be applied with brush or rake at least two layers. It must be applied with saturation technique, coat after coat, without waiting for the former coat to dry up. Recommended that waiting 24 hours before any topcoat application. Before the application into joints of non-porous surfaces such as ceramic, faience etc. the joints must be repaired and filled. After the application, any material smeared onto bright surface must be wiped off with a damp cloth. TRANSCOAT is not suitable on painted surface, under pressure water or in underground conditions with high hydrostatic pressure.

Consumption
0,150 - 0,350 kg/m^2 for each layer depending on the absorbency of the surface. Recommended at least 2 layers application.

Package
1 kg plastic bucket / 4,5 kg plastic bucket / 20 kg drum

You can download product TDS from our web site.

SPR 104

Acrylic Based, Multipurpose Primer

Description
SPR 104 is an acrylic based, single component primer for absorbent and porous substrates. It can be applied as a primer before many acrylic material application.

Fields of Application
- Used on interior and exterior wall and floor surfaces as a primer.
- Before repairing floor or insulation purposes, it is used on wood, concrete or porous building layers.

Features and Benefits
- Prepares the surface before the application with filling the porous, over the cracks.
- Reduces the consumption of the coating to be applied on it.
- Enhances the adhesion between the substrate and topcoat.
- Makes the surface stiffer and prevents to rise to the dirt and stain on the coating surface.

Application Procedure
Preparation of Substrate
Application surface must be fully cured and dry. The surface must be clean and clean off dust, dirt, wax, oil, grease, paint based products and other contaminants. Smooth surfaces must be sanded and obtained a rough surface.

Application Method
SPR 104 is ready to use. Before the application, stir well and applied with brush or roller. Only porous concrete surfaces should be primed with SPR 104. In hot and windy days, surface should be damp before the application for preventing fast drying. Surface must be coated within 24 hours after applied SPR 104. If the area is left uncovered for more than 6 hours, it must be wiped down with clean water to remove site dirt and dust before overcoating.

Consumption
0,100 - 0,200 kg/m^2 for each coat.

Package
5 kg plastic drum
20 kg plastic drum

You can download product TDS from our web site.

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Admixtures

ADD 1

Waterproofing Admixture for Concrete and Mortar

Description
ADD 1 is a liquid waterproofing admixture material that fills the capillary gaps and pores by reaction with cement and sand into the concrete and mortar mixtures.

Fields of Application
Used on exterior plaster and screed, in terraces, roofs, water tanks and channels, pools for providing waterproofing. ADD 1 are applied in two or three coats depending on the water pressure being dealt with and the structure involved.

Features and Benefits
- Provides water impermeability.
- Economic.
- Water vapor permeable.
- Ready to use.

Application Procedure
Preparation of Substrate
The application surface must be durable, dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Water leak on the surface must be drained or sealed by a suitable stopper. Cracks and pores must be filled with suitable repair mortars. Surface must be primed before application.

Application Method
ADD 1 is diluted with water in the ratio of 1:10 (1 cup ADD 1, 10 cups water). Each coat must be 6 mm thickness and applied with trowel. Second coat is applied after first coat begin to harden. Surface should be roughened for obtaining better adhesion. 3 or 4 coats is recommended for application.

Consumption
ADD 1 should be applied after diluted water in the ratio of 1:10 for all kind of applications. It means about 3 kg ADD 1 used for 100 kg of cement.

Package
6 kg plastic drum
21 kg plastic drum

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You can download product TDS from our web site.

LATEX

Waterproofing and Adherence Increasing Liquid Admixture

Description
LATEX is an acrylic based admixture that used plasters and screed to improve adherence and impermeability.

Fields of Application
- In interior and exterior applications.
- In mortars, plasters and screed.
- In interior and exterior plasters of water tanks, pools and reinforced concrete silo.
- In mortars of stone, brick and floor tile for improving freeze-thaw stability.
- As adherence admixture in mortars prepared for repairs.

Features and Benefits
- Excellent adhesion performance.
- Excellent water impermeability.
- Improves durability without any cracks.
- High freeze-thaw stability.
- High elasticity.
- High abrasion resistance.
- Improves water and chemical resistance.

Application Procedure
Preparation of Substrate
The application surface must be durable, dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Water leak on the surface must be drained or sealed by a suitable stopper. Application surface must be damp 12 hours before the application, but there must not be any free water left on the surface.

Application Method
In plaster mortar; 1m^3 washed river sand and 350 kg cement is mixed together. 120 kg water and 5 kg LATEX is mixed into another cup. Liquid mixture is poured into the powder mixture and stirred well until homogenous mixture is obtain. Mixture should be applied by trowel.
Making of grout; 1m^3 washed river sand and 350 kg cement is mixed together. 110 kg water and 4 kg LATEX is mixed into another cup. Liquid mixture is poured into the powder mixture and stirred well until homogenous mixture is obtain. Mixture is applied on primed surface.
In coating mortar; 1 m^3 aggregate, 250 kg cement and 3 kg LATEX is mixed and added water until getting thick mixture. Mixture and floor laying is applied together.
In shake mortar; 1 m^3 washed river sand, 350 kg cement and 10 kg LATEX is mixed and added water until getting thick mixture. Mixture is applied with strewing equipment.
24 hours later surface is ready for pedestrian traffic. Full curing is done after 28 days.

Package
5 kg plastic drum
20 kg plastic drum

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You can download product TDS from our web site.

CRYSTAL C 320

Crystalline Waterproofing
Liquid Concrete Admixture

Description
CRYSTAL C 320 is a waterproofing concrete admixture that forms crystal fiber on the capillary gaps of concrete to provide permanently water impermeability.

Fields of Application
- 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.

Features and Benefits
- 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.

Application Procedure
Application Method
- Shake CRYSTAL C 320 well before use.
- Control of the concrete mix design regarding water/concrete ratio < 0,55 prior to dosing CRYSTAL C 320.
- CRYSTAL C 320 must be added into the concrete as the ratio of 2 %.
- Mixture;
  - If prepared in construction yard; CRSYTAL C 320 must be added %2 of cement on ready to apply concrete mixture and stirred 5 minutes.
  - If prepared in concrete plant; CRYSTAL C 320 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 CRYSTAL C 320.

Consumption
If the Water/Cement ratio is < 0,55; CHIMEX C 320 is added 2 % by weight of cement on the mixture.
Water/Cement ratio shouldn't be up to 0,55.

Package
30 kg plastic drum

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CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

CRYSTAL PW 25

Crystalline Waterproofing Powder Concrete Admixture

Description
CRYSTAL PW 25 is a waterproofing concrete admixture that reacts with moisture into the concrete and forms crystal fiber on the pores and capillary gaps of concrete to provide permanently water impermeability.

Fields of Application
- Foundations, basements,
- Tunnels, dams,
- Precast concrete elements,
- Potable water tanks and waste water tanks,
- Water treatment plant,
- Swimming pools,
- Elevator pits,
- Garage.

Features and Benefits
- Protects the concrete against negative and positive water pressure.
- Resistant to extreme hydrostatic pressure.
- Provides permanently active waterproofing. During the curing time, it creates insoluble nano structural crystal into the capillary cracks.
- 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.
- Cover the cracks up to 0.4 mm.
- Provides long term protection even though concrete surface is damaged.
- Does not need to any additional waterproofing applications.
- Does not harm for human health and environment.

Application Procedure
Water/Cement ratio should be ≤ 0,55. CRYSTAL PW 25 is mixed with water as the ratio of 1:0,4 and then added into the mixture and mixed well minimum 5 minutes. After mixing, mixtured concrete is poured.

Consumption
CRYSTAL PW 25 is added 1-2 % by weight of cement on the mixture.

Package
25 kg plastic bucket

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You can download product TDS from our web site.

POWLOG

Powder Waterproofing Admixture

Description
POWLOG is a high quality, water-repellent powder admixture used for water and damp proofing in plaster, screed and concrete applications.

Fields of Application
- Suitable for interior and exterior plaster and screed applications,
- In wet volumes such as bathroom, kitchen, balcony etc.
- In prefabricated and precast building elements,
- In basements, cesspool, gallery, foundation, curtain wall,
- In water and waste water tanks,
- In water treatment plant,
- In pools.

Features and Benefits
- Provides heat economy by protecting concrete from wetting.
- Non-corrosive. Protects the iron rebar found in the building structure from rust and decay.
- Non-toxic. Safely used into the water tanks.
- Water vapor permeable. It allows the building to breath.
- Easy to apply.
- Does not harm for human health and environment.

Application Procedure
Application Method
Fresh cement and POWLOG must be mixed firstly. Then, sand aggregate are poured into the powders. Water is slowly added into the powder mixture at finally. All ingredients are mixed until homogenous mixture is obtained.

Consumption
1 bag (50 kg) of cement required 1 Package (500 g) of POWLOG.

Package
500 g pack

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You can download product TDS from our web site.

PROGEL -10

Concrete Antifreeze Admixture

Description
PROGEL-10 is a safe and chloride free in liquid form concrete antifreeze admixture used for protecting concrete from frost under low temperature by fast curing properties.

Fields of Application
- In cold weather, expected overnight frost and cold periods.
- In cold weather, early strength need conditions.
- For frost protection of cement based interior and exterior plasters.

Features and Benefits
- Increases frost resistance of concrete under hard weathering conditions.
- Decreases curing time of the concrete.
- Improves early strength of concrete.
- Does not contain chlorides.

Application Procedure
Application Method
PROGEL-10, is added to the gauging water 1-2% by weight of cement at the plant or added on the site into the concrete mixer. When added separately to the freshly mixed concrete, further mixing should take place for 1-2 minutes. When added separately to the freshly mixed concrete, further mixing should take place for at least 3 minutes. Before being discharged, the concrete must be visually inspected for even consistency.

Consumption
Between +5°C to -5°C; 1% by weight of cement.
Between -5°C to -10°C; 2% by weight of cement.

Package
30 kg plastic drum

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You can download product TDS from our web site.

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Joint Sealants and Mastics

PUMAST 600

Polyurethane Based, One Component, Joint Sealant

Description
PUMAST 600 is a highly elastic, low modulus polyurethane sealant, with good UV resistance and excellent adhesion to typical construction materials. PUMAST 600 is one component and cures with moisture to form a flexible sealant which can be overpainted after curing is finished. The sealant is non sagging, highly thixotropic, easy smoothing and has good workability. It is a perfect product for all types of static and dynamic expansion joints of structural members.

Fields of Application
- PUMAST 600 is designed for civil and industrial movement, expansion, control and dilatation joints in architectural and heavy construction.
- To be used as a sealant between concrete, mortar, brickwork, natural and synthetic stone, metal, steel, aluminum, wood, ceramic tiles, rigid plastics etc.
- It can be used in drinkable water tanks safely.

Features and Benefits
- Very elastic.
- Protects elasticity between -40 °C to +80 °C.
- One component. Easy to apply.
- Cures with the humidity in the air.
- It can be used in drinkable water tanks safely.
- No need primer before PUMAST 600 for many surfaces.
- Provides excellent adhesion on concrete, metal, wood and other surfaces.
- Resistant to chemicals.

Application Procedure
Preparation of Substrate
All surfaces must be perfectly clean, dry and free from dust and grease. Where necessary apply a coating of primer on the joint walls. Use PU 101 A for porous (absorbing) surfaces like concrete, mortar etc.

Application Method
The sealant should not adhere to the joint bottom; the use of a joint backing rod is recommended. The width and depth of the joint must not be less than 5 mm. In manual applications, the material is places in an application gun and injected into the joint without causing the formation of any air bubbles.

Consumption
1,15 kg/lt
For example; needed 115 gr/m for 10 mm x 10 mm joint

Package
600 ml sausages
20 pcs/box

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You can download product TDS from our web site.

JOINTPAST PS-H

Polysulphide Based, Two Component, Pouring Grade Joint Sealant

Description
JOINTPAST PS-H is a polysulphide based, two component, and highly elastic pouring grade joint sealant.

Fields of Application
- Suitable for horizontal and vertical applications.
- In building dilatation.
- In joints of gas stations, harbors, ports, airports.
- In joints of prefabricated elements, industrial floors, car park and garage.

Features and Benefits
- Self levelling due to the liquid property.
- High elasticity.
- Resistant to vehicle traffic.
- Resistant to mechanical impact, UV and abrasion.
- Resistant to water, salt, benzene, fuel, oil etc. Can be used on gas stations.
- Resistant to plant root.

Application Procedure
Preparation of Substrate
The application surfaces must be durable, sound, dry, clean and free from dirt, dust, and oil and grease. If it is necessary surface is primed with PS PRIMER. Depth of the joint is adjusted with using polyethylene backer rod or a similar material. Depth must not exceed the width of the joint.

Application Method
A and B components must be stirred under low speed mixture during 2-3 minutes until homogenous mixture is obtained. Joint depth must be adjusted using appropriate profiles to save material. It is necessary to use primer material to improve adhesion.

Consumption
With 1 kg PS-H, through the linear joint length metrically - 1,45 kg/lt

Joint Width (mm)	10	20	30	40	50
Joint Depth (mm)					
10	6,90 m	3,45 m			
15			1,53 m		
20				0,86 m	
25					0,55 m

Package
4 kg set
2,5 lt set

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CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

JOINTPAST PS-V

Polysulphide Based, Two Component, Gun Grade Joint Sealant

Description
JOINTPAST PS-V is a polysulphide based, two component, and highly elastic gun grade joint sealant.

Fields of Application
- Suitable for horizontal and vertical applications. Prevents sagging.
- In building dilatation.
- In joints of basement and curtain walls.
- In joints of gas stations.
- In joints of prefabricated elements, industrial floors, car park and garage.

Features and Benefits
- Prevents sagging due to pasty like viscosity.
- High elasticity.
- Resistant to vehicle traffic.
- Resistant to mechanical impact, UV and abrasion.
- Resistant to water, salt, benzene, fuel, oil etc. Can be used on gas stations.
- Resistant to plant root.

Application Procedure
Preparation of Substrate
The application surfaces must be durable, sound, dry, clean and free from dirt, dust, and oil and grease. If it is necessary surface is primed with PS PRIMER. Depth of the joint is adjusted with using polyethylene backer rod or a similar material. Depth must not exceed the width of the joint.

Application Method
A and B components must be stirred under low speed mixer during 2-3 minutes until homogenous mixture is obtained. Mixture should be applied with using special mastic gun. Joint depth must be adjusted using appropriate profiles to save material. It is necessary to use primer material to improve adhesion.

Consumption
With 1 kg PS-H, through the linear joint length metrically - 1,60 kg/lt

Joint Width (mm)	10	20	30	40	50
Joint Depth (mm)					
10	6,25 m	3,13 m			
15			1,39 m		
20				0,78 m	
25					0,50 m

Package
3,5 kg set
2,5 lt set

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You can download product TDS from our web site.

PS PRIMER

Primer for Polysulphide Based Materials

Description
PS PRIMER is a fast curing, transparent, solvent based, single component bonding agent and strengthener for the flanks of joints. It is used as primer for the subsequent application of JOINTPAST PS-V and PS-H. The material is humidity- curing. It binds the dust and is resistant to saponification. Its low viscosity enables it to penetrate a few millimeters deep into the substrate and thus act stabilizing and strengthening.

Fields of Application
PS PRIMER is a bonding agent for polysulphide based joint sealants and products.

Application Procedure
Preparation of Substrate
The substrate has to be free of silicone and dry as well as free of loose particles, oil and grease. For cleaning substrates, we recommend the use of dirt- and grease solving water- and solvent-based cleaning agents, if necessary hot steam cleaning, light grinding or roughening by sandblasting.

Application
PS PRIMER is applied with roller or brush in the joints. Primer should be dried to apply JOINTPAST PS polysulphide sealants on the joint.

Consumption
150 - 250 gr/m²

Package
1 lt plastic case

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You can download product TDS from our web site.

PUB 401

Polyurethane-Bitumen Based, Two Component, Joint Sealant

Description
PUB 401 is a polyurethane-bitumen based, two component, self-levelling, cold applicable dilatation and joint sealant material.

Fields of Application
It is applied on horizontal dynamic dilatations and joints for water impermeability and filling.

Features and Benefits
- It is elastic. It keeps its elasticity between -20°C and +120°C.
- It is cold applicable product. Provides easy and fast application.
- It is durable against abrasion and aged.
- It has excellent mechanical and chemical resistance.
- It is self levelling.
- Excellent adhesion on the applied surfaces.

Application Procedure
Preparation of Substrate
The surface must be dry and clean before application. All joints before filling shall be carefully cleaned by metal brushing or sanding. The dust should be removed by pressured air.
PUB 401 causes foaming when applied on moist surfaces.

Application Method
Component A and B is mixed under low speed mixer until homogenous mixture obtained. Mixture must be used within 30 minutes. Otherwise gelling occurs and it cannot be recovered. PUB 401 must be used only on horizontal joints. The application surface should be protected from water minimum 6 - 8 hours.

Consumption
1,30 kg/lt

Package
A component + B component = 5 kg set

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CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

PUK 401

Polyurethane-Coal Tar Based, Two Component, Joint Sealant

Description
PUK 401 is a polyurethane-coal tar based, two component, cold applied, self-leveling joint sealant with excellent adhesion performance, abrasion, UV light, mechanical, chemical and jet fuel resistance.

Fields of Application
- PUK 401 is produced especially for airports, runways, park areas, hangars, loading areas.
- It is suitable for road and concrete areas such as in tunnel, bridge, canals, petrol stations, stadiums, sidewalks, refinery and petrochemicals, harbor and other industrial facilities.
- It is suitable for all kinds of horizontal outdoor joints.

Features and Benefits
- Provides permanent high elasticity at temperatures between -35°C to +85°C.
- Cold applicable.
- Suitable for joints of expressways and roads with heavy traffic conditions.
- Resistant to abrasion.
- Has excellent adhesion on different surfaces such as concrete, wood, metal etc.
- Resistant to UV.
- Resistant to jet fuels, oils, acids and bases.

Application Procedure
Preparation of Substrate
The surface must be dry and clean before application. All joints before filling shall be carefully cleaned by metal brushing or sanding. The dust should be removed by pressured air.
PUK 401 causes foaming when applied on moist surfaces. Therefore the joints must be dry and the sealant must not contact water until chemical curing occurs.

Application Method
Component A and B is mixed under low speed mixer until homogenous mixture obtained. Mixture must be used within 30-45 minutes. Otherwise gelling occurs and it cannot be recovered.

Consumption
1,25 kg/lt

Package
A component + B component = 5 kg set

You can download product TDS from our web site.

SWELLBAND

Swelling Waterstop

Description
SWELLBAND is an active sodium bentonite/butyl rubber based waterstop designed to stop water infiltration through cast in place concrete construction joints by expanding upon contact with water to form a positive seal against the concrete. It also fills the cracks and pores on the concrete.

Fields of Application
- SWELLBAND can be used on swimming pools, tunnels, subways, retaining walls, curtain walls,
- Water tanks, sewage systems, water purification facilities,
- Underground pipe and cable inlets,
- Concrete joints, barrage, road and intersections of old and new concretes.

Features and Benefits
- Easy to apply.
- Easy application even with huge amount of rebar. Connecting seams require only putting together side by side and pressing.
- The swelling occurs in a controlled. Does not swollen suddenly cast in concrete.
- Safely used in water tanks.

Application Procedure
Preparation of Substrate
The surface must be clean and dry. It must not be applied to wet, frozen, greasy or dusty surfaces, and under wet weather conditions. SWELLBAND should be protected from humidity and rain before the application.

Application Method
Roll out required amount of SWELLBAND. Firmly press the entire length of it onto concrete. In vertical and overhead applications, press for at least 15 seconds for perfect adherence. Place seams side by side or end to end; do not overlap. Make sure waterstop covers all parts of the surface, especially for surfaces which are not perfect in shape. Remove silicon paper and pour concrete carefully and indirectly. It is not suitable for the joints of precast building elements.

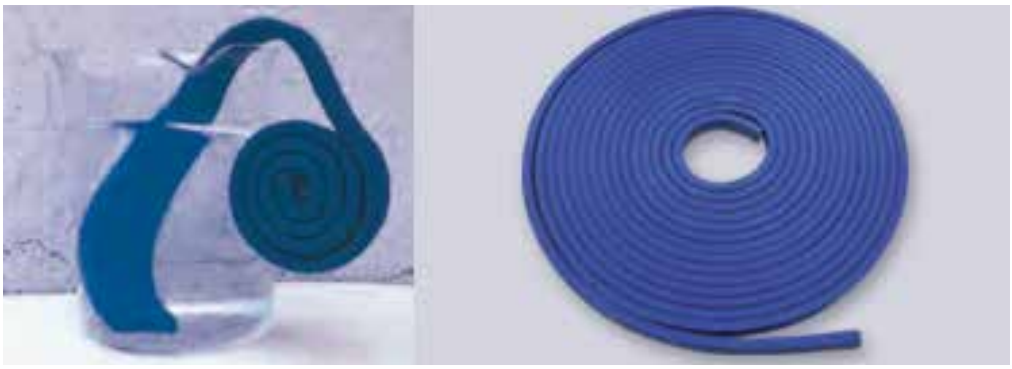
Consumption
Depends on application areas.

Package
5 mm x 20 mm - 15 m/box
7 mm x 20 mm - 15 m/box
10 mm x 20 mm - 10 m/box
15 mm x 20 mm - 5 m/box
20 mm x 25 mm - 5 m/box

You can download product TDS from our web site.

SWELLBAND A

Acrylic Polymer Based, Swelling Waterstop



Description
SWELLBAND A is an acrylic based sealing material that swell in contact with water.

Fields of Application
- On swimming pools,
- On water tanks,
- On water purifying system,
- On construction joints,
- On joint of curtain walls with building foundation,
- Where contact with the concrete of steel profiles and pipes,
- On PVC pipes of input and output as a water-retaining flange,
- Used to sealing arease that are exposed to sea water.

Features and Benefits
- Easy to apply.
- Applicable on wide range substrates.
- Easy application even with huge amount of rebar.
- Swelling occurs in a controlled. Does not swollen suddenly cast in concrete and does not damage the concrete.
- Allows the filling of possible gaps and create a water barrier in the reinforced concrete structure of the material with changing size by swelling.
- Resistant to highly salt water and various chemicals.

Application Procedure
Preparation of Substrate
The surface must be clean and dry. It must not be applied to wet, frozen, greasy or dusty surfaces, and under wet weather conditions. SWELLBAND A should be protected from humidity and rain before the application.

Application Method
Roll out required amount of SWELLBAND A. Acrylic adhesive is placed in the middle of the joints and SWELLBAND A is glued on it and fixed on the surface. Place seams side by side or end to end; do not overlap. Make sure waterstop covers all parts of the surface, especially for surfaces which are not perfect in shape. Placed to concrete in a controlled. Protect the surface from water until placed the concrete. It is not suitable for the movement joints.

Consumption
Depends on application areas.

Package
5 mm x 20 mm - 20 m/box
10 mm x 20 mm - 10 m/box

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You can download product TDS from our web site.

FLEXBIT

Bituminous, Elastic Waterstop Tape

Description
FLEXBIT is a bitumen based, elastic, not expanding waterstop tape used for cold concrete joints. As an easy to apply alternative to usual waterproofing tapes. FLEXBIT forms an alternative method for protecting the cast concrete joints on the building that made of waterproofing concrete without needed any auxiliary products. It is not active against acids and ash waters. FLEXBIT does not resistant to petroleum products.

Fields of Application
- Used in dams, ponds, irrigation channels, water tanks, water purification facilities, swimming pools, docks, drainage tunnels,
- In hydroelectric and thermic power plants,
- In bridges, underground constructions, retaining walls and industrial buildings.

Features and Benefits
- Has wide range of application areas.
- Does not swell in contact with water.
- Due to its water stop characteristics are durable against rain and water, it forms more convenient protection than traditional systems.
- Can be applied on fresh or cured concrete.
- Can be applied on rainy days.
- Does not need any special tools at joints.
- Can be applied on thin wall due to not swelling property.
- Simply applied on even in case of close rebar spacing.
- Very light, easy and economical to transport.
- Resistant to acid and bases.

Application Procedure
Application Method
On fresh concrete; FLEXBIT directly over coated on fresh concrete. Protective foil should be on top and not be pressed and sunk into the concrete. FLEXBIT binds the concrete and provides protection during setting. At the connection points 2-3 cm of tapes must be adjusted side by side and pressed firmly together, without allowing air in between. Protective foil must be removed just before second concreting.
On cured concrete; The surface to be treated must be sound, dry, clean and entirely free from dust, dirt, rust, curing materials and grease. Loose particles must be scratched out. FLEXBIT is fixed by pressing firmly into the concrete. Do not needed any other equipment for fix it. At the connection points 2-3 cm of tapes must be adjusted side by side and pressed firmly together, without allowing air in between. Before concrete placement, it should be checked weather FLEXBIT is properly adhered. If applied FLEXBIT properly, it is removed from the surface 30 minutes later by pulling strongly. But if not applied properly, FLEXBIT is pulling easy from the surface. In this time application must be repeated. Protective foil must be removed just before second concreting.

Consumption
Depends on application areas.

Package
Size: 35 mm x 20 mm
4 m/roll
6 rolls x 4 m = 24 m/box

You can download product TDS from our web site.

PH 55

Bitumen Based, Elastic Fillet Tape

Description
PH 55 is a bitumen-rubber based, elastomeric fillet tape in triangle form to shape interior edges at horizontal and vertical structure parts for insulation applications.

Fields of Application
- At the internal edges of hot-applied or self-adhesive bituminous membranes.
- At the intersections of building components with different expansion characteristics.
- It is used with water or solvent based bituminous liquid membranes.

Features and Benefits
- Quick and easy to apply.
- Provides permanent high elasticity at temperatures between -20°C to +120°C.
- Excellent adhesion on different kind of construction materials.
- Can be applied under all weather conditions.

Application Procedure
Preparation of Substrate
The application area should be dry and clean. To obtain better adhesion, the concrete surfaces should be primed with B PR 101 and metal surface should be primed with B PR 102.

Application Method
Cut the tape to required length. Protective polyethylene foil is melted by welding torch or burner. Press the tape to corner securely. The insulation application can proceed further instantly.

Consumption
It depends on dimensions of the profile.

Package
Dimension; 25x25x35 mm
1,20 m/bar
44 bars/box (52,8 m)

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CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

EPOX 220

Epoxy Based, Two Component, Adhesive Mortar

Description
EPOX 220 is an epoxy based, solvent free, two component installation and adhesive mortar with thixotropic behavior.

Fields of Application
- To adhere TPE Flex dilatation band.
- Bonding of metal profiles to concrete or steel parts.
- To adhere ceramic, granite or marble plate.
- To adhere concrete, stone, metal, wood and many other building products.

Features and Benefits
- Quick dry.
- Solvent free. Suitable for interior and exterior areas.
- Due to the excellent adhesion property, adhere different kind of surfaces such as concrete, stone, metal, wood, ceramic, granite, marble etc.
- Thixotropic behavior prevents sagging on vertical wall and ceiling

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Cracks and pores must be repaired with REPAMERK 1 or EPOX 310 repair mortars.

Application Method
A and B components must be stirred under low speed mixture during 2-3 minutes until homogenous mixture is obtained.
To adhere dilatation tape; EPOX 220 is applied on both sides of the dilation approximately 1,5 mm thickness and 40 mm width by trowel or spatula. After lay the dilatation tape, EPOX 220 is applied on the front face and press until curing.
To adhere metal profile; EPOX 220 is applied on both side of the surface and press until curing.
To adhere ceramic, granite or marble plate; EPOX 220 is applied with using a notched trowel and plates are installed. Recent position must be set within 30 minutes.

During the application, material and surface temperature must be between 5°C and 30°C. Do not apply in frost risk days.

Consumption
Approximately 2 kg/meter for fixing dilatation tape

Package
A component: 3,75 kg + B component: 1,25 kg = 5 kg set

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CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

TPE FLEX

TPE Based, Elastic Dilatation Tape

Description
TPE FLEX is highly elastic dilatation tape used for insulation of dilatation gaps, thermal expansion joints and cracks.

Fields of Application
- In all dilatation of buildings, both horizontal and vertical installations.
- In basements and curtain walls under the land.
- In waste water, potable water tanks and pools.
- In tunnel and culverts.
- Raft foundation - curtain wall, curtain wall-curtain wall joints waterproofing.

Features and Benefits
- Protects its elasticity under low and high temperatures (between -40°C to +80°C).
- Excellent adhesion performance.
- Resistant to plant root.
- Resistant to UV lights.

Application Procedure
Preparation of Substrate
The application area must be durable, sound, dry, clean and clean off dust, dirt, rust, oil and all contaminants. Surface defects should be repaired by REPAMERK 1 cement based repair mortar or EPOX 310 epoxy repair mortar.

Application Method
A and B components of EPOX 220 must be stirred under low speed mixture during 2-3 minutes until homogenous mixture is obtained. Then applied on both sides of the dilation approximately 1/1,5 mm thickness and 40/50 mm width by trowel or spatula. Dilatation tape is cut in suitable sizes. Inset parts overlap and pasted with hot air gun. Before first floor epoxy adhesive get dry, dilatation tape is applied by using pressure on the epoxy. Second floor epoxy adhesive is installed as 1/1,5mm thickness after first floor get dry. During this time be careful of putting epoxy adhesive into the middle of the dilatation band. Do not move TPE FLEX expansion tape until epoxy adhesive get dry and protect it against water and mechanic impacts. Adhesive dry time could be change according to the warm and cold weather conditions. If conditions are under +5°C do not make installation.

Consumption
Depends on application area.

Package

Width of Tape	Thickness of Tape	Length of Tape
15 cm	1 mm / 1,5 mm	25 m roll
20 cm	1 mm / 1,5 mm	25 m roll
25 cm	1 mm / 1,5 mm	25 m roll
30 cm	1 mm / 1,5 mm	25 m roll
40 cm	1 mm / 1,5 mm	25 m roll

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

BMAST 100

Bitumen-Rubber Based, Hot Applied, Joint Filler

Description
Bitumen-rubber based, highly elastomeric, hot applied mastic for both horizontal and vertical uses.

Fields of Application
- In dilatations, joints,
- In joints of cement coating with large surface,
- In dams, channels and ducts,
- Installation of glass road buttons,
- Other locations where dilatation may occur for waterproofing, filling, repairing and adherence purposes.

Features and Benefits
- Protects its elasticity in very high and low temperatures such as between -20 °C and +80 °C.
- Heated up either in a special double walled boiler or directly on a furnace.
- Safely used in water tanks.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Primers should be applied on the surface to provide excellent adhesion, avoid dust and improve durability. B PR 101 is recommended for non-metal surfaces, B PR 102 is used for metallic surfaces as primer.

Application Method
After BMAST 100 is heated up to approximately 160-180°C, mixed thoroughly and poured into joints. Exterior surfaces under traffic should be sandblasting. Surface will be ready to use after 1 hour. If the product is overheated or heated up and cooled for a few times, material will be spoiled and cannot be recovered.

Consumption
1,17 kg/lt

Package
17 kg metal can
Approximately 17 kg cardboard box

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

BMAST DF 310

Bituminous Waterproofing and Adhesion Mastic

Description
Bitumen-rubber based, elastic mastic used for waterproofing, repairing and adhesion purposes. BMAST DF 310 is economic mastic designed for dry surfaces.

Fields of Application
- Used at intersection joint gaps and chimney bottoms for waterproofing, filling and repairing.
- Used for waterproofing roof windows as well as ventilation, antenna and pipe outlets.
- Used for adhering, installing and repairing bituminous membranes.
- Used for adhering and repairing bituminous shingles.

Features and Benefits
- Used in wide range of areas like bituminous membranes, shingled asphalt-based materials, concrete, bricks, wood, metals etc.
- Ready to use. Cold applied.
- Does not sagging.
- Protects its elasticity under cold weathering conditions.

Application Procedure
Preparation of Substrate
Surface must be dry and clean before application. Any loose pieces, dust, oil, grease should be removed.

Application Method
Cut out tip of the cartridge according to the width of the seam. After squeezed BMAST DF 310 into the joint gap, smooth the surface with a moist spatula within 10 - 15 minutes. After 10 - 15 minutes following product is applied onto a surface, it should be connected to the other surface for adhesion process.

Consumption
Depends on application surface area.

Package
310 ml cartridge
25 cartridges/box

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

BMAST WF 310

Bituminous Waterproofing and Adhesion Mastic for Wet Areas

Description
Bitumen-rubber based, elastic mastic used for waterproofing, repairing and adhesion purposes. BMAST WF 310 is applied in rainy weather and provides excellent adhesion on wet and underwater surfaces due to the special formulation.

Fields of Application
- Used at intersection joint gaps and chimney bottoms for waterproofing, filling and repairing.
- Used for waterproofing roof windows as well as ventilation, antenna and pipe outlets.
- Used to adhere, install and repair bituminous membranes.
- Used to adhere and repair bituminous shingles.

Features and Benefits
- Applicable in rainy days.
- Shows excellent adhesion on damp and underwater areas.
- Used in wide range of areas like bituminous membranes, shingled asphalt-based materials, concrete, bricks, wood, metals etc.
- Ready to use. Cold applied.
- Does not sagging.
- Protects its elasticity under cold weathering conditions.

Application Procedure
Preparation of Substrate
Surface must be clean before application. Any loose pieces, dust, oil, grease should be removed.

Application Method
Cut out tip of the cartridge according to the width of the seam. After squeezed BMAST WF 310 into the joint gap, smooth the surface with a moist spatula within 10 - 15 minutes. After 10 - 15 minutes following product is applied onto a surface, it should be connected to the other surface for adhesion process.

Consumption
Depends on application surface area.

Package
310 ml cartridge
25 cartridges/box

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

NPR 2

Bitumen-Neopren Based, Joint Paste

Description
NPR 2 is a bitumen-neoprene based, cold applied joint paste used for horizontal and vertical applications.

Fields of Application
- In joints of wall made of concrete, brick, gas concrete, briquette etc.
- In vertical and horizontal building dilatation up to 5 cm.
- Dilatation of prefabricated buildings,
- In building cracks,
- In joints of water drain pipes of building terrace for waterproofing, filling, repairing and adhering purposes.

Features and Benefits
- Applied as cold. Does not required heating up or thinning.
- Easy to apply, ready to use.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces.

Application Method
NPR 2 is ready to use. It does not require thinning or heating. It can be applied as cold. Material should be applied on the only the side exposed water (positive insulation) surface with using trowel or spatula. Under normal weather conditions, it starts rubberizing after 72 hours.

Consumption
0,900 kg/lt

Package
16 kg metal pail

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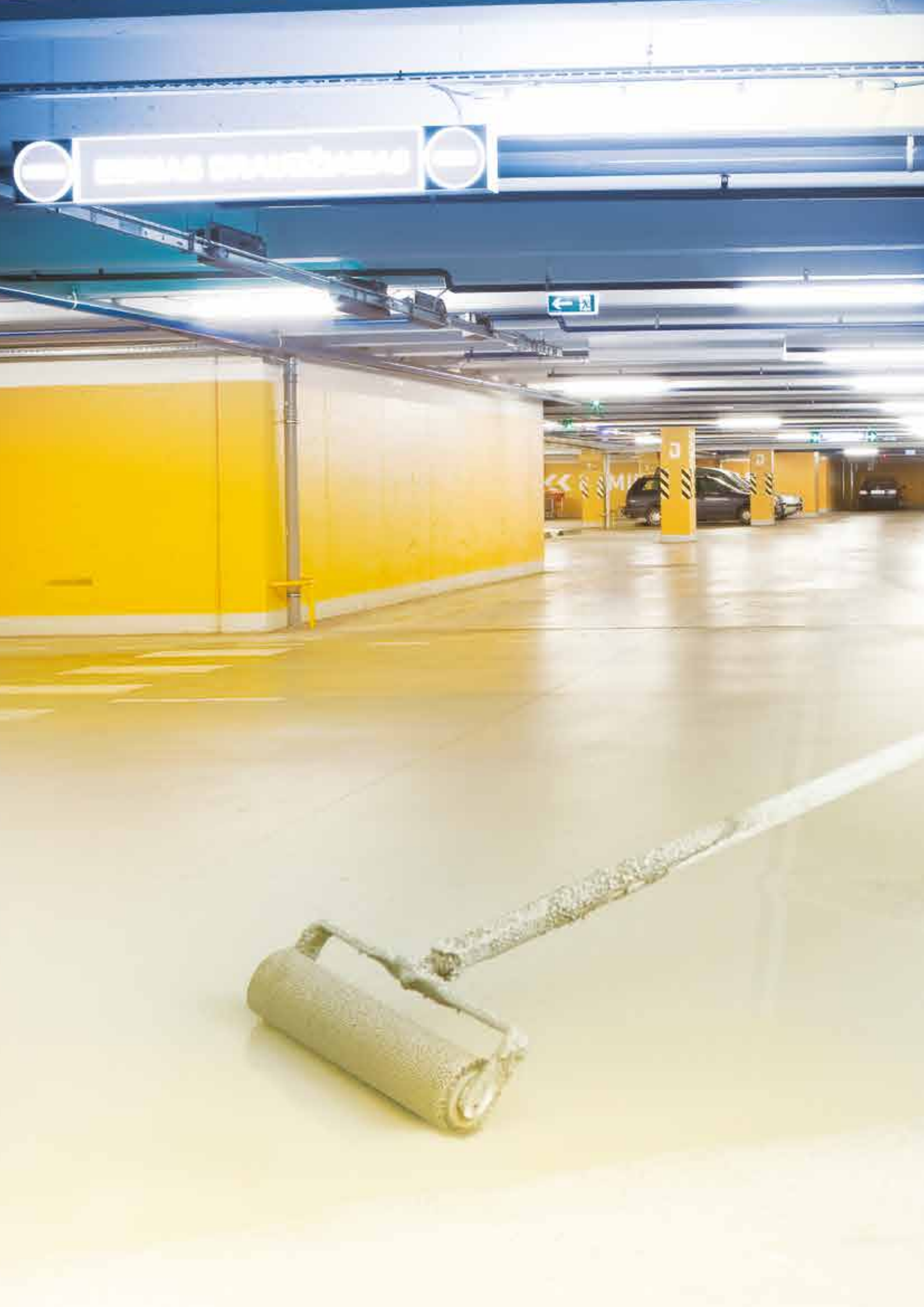
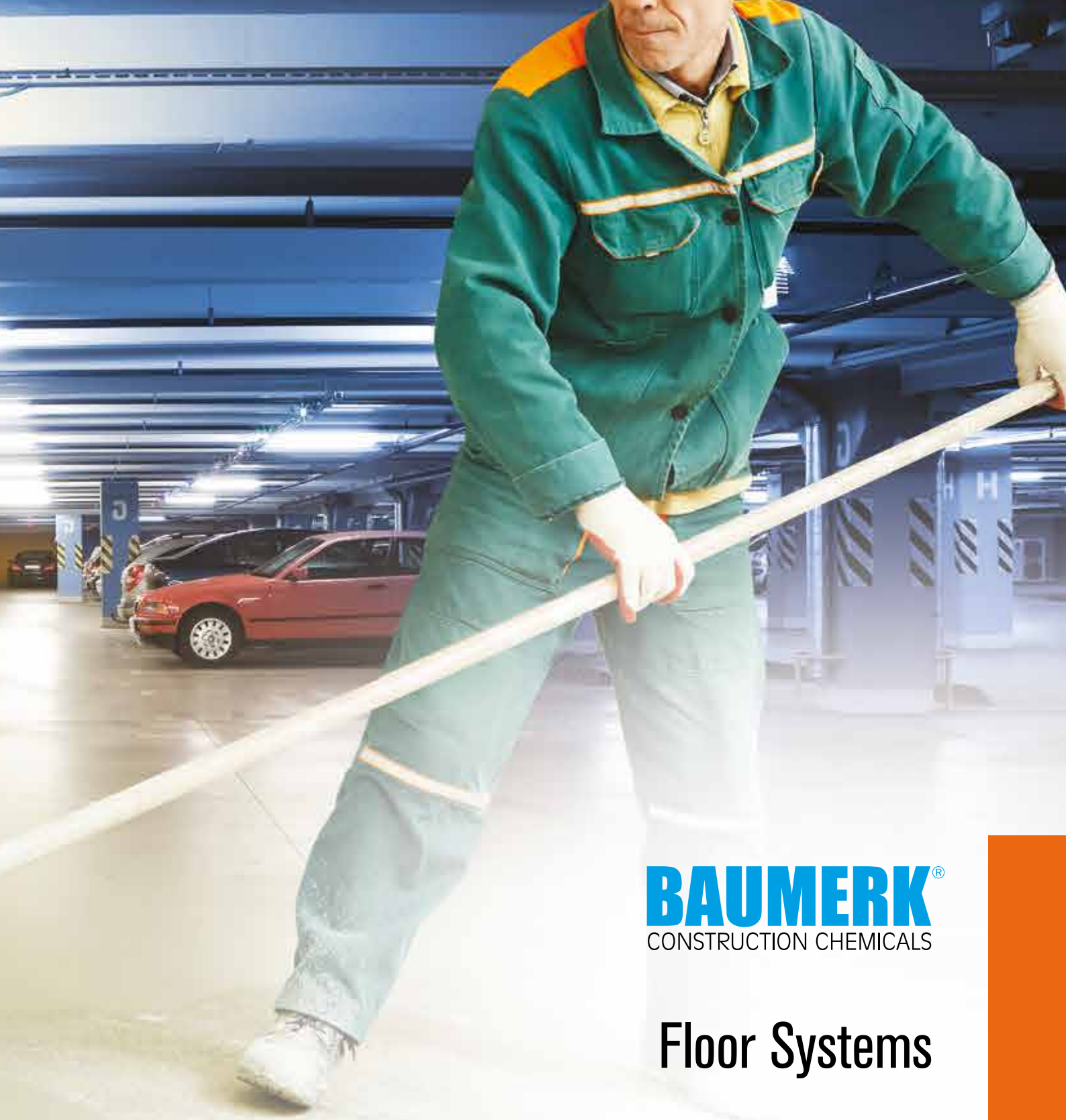
You can download product TDS from our web site.





BAUMERK®
CONSTRUCTION CHEMICALS

Floor Systems

EPOX PR 100

Epoxy Based, Two Component, Solvent Free Primer

Description
EPOX PR 100 is an epoxy based, two component and solvent-free impregnating primer.

Fields of Application
It is suitable for using in BAUMERK brand name floor coating systems as interior and exterior surface primer. Also, it can be used as repair and grout mortar after mixing with aggregate.

Features and Benefits
- Low viscosity
- Solvent-free
- High penetration ability and adhesion performance.

Application Procedure
Preparation of Substrate
Application surface must be cleaned off the contaminant such as dirt, dust, rust, oil etc. Application surface must be scraped to be ready for application.

Application Method
Component A and B should be mixed by low speed mixture for 3-4 minutes and homogenous mixture is obtained. Mixture should be applied on the surface with using a trowel or roller. EPOX PR 100 can be also used as repair mortar after mixed with aggregate. Application must be protected from direct sun light, wind, frost and rain at least 1 day.

Consumption
0.200 - 0.400 kg/m^2

Package
A component: 10 kg + B component: 5 kg = 15 kg set

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

EPOX PR 200

Epoxy Based, Two Component, Solvent Free Primer with Fillers

Description
EPOX PR 200 is an epoxy resin based, two component, solvent-free epoxy primer with fillers.

Fields of Application
- To prime concrete, asphalt, metal, epoxy, polyurethane based substrate before the application,
- To prime exterior asphalt and floors before polyurethane based coating,
- Used as an adhesion promoter primer before cement based material application on old concrete,
- Used for filling the cracks on the concrete, surface hardener and dust preventer.

Features and Benefits
- Provides water impermeability by filling the cracks of concrete.
- Prevents dusting on the concrete and provides surface hardness.
- Helps to adhesion of topcoat on to the substrate.
- Solvent free.

Application Procedure
Preparation of Substrate
The application surface must be durable, fully cured, sound, dry, clean and clean off all contaminant, rust, oil, dust etc.

Application Method
Epoxy resin, component A is stirred under low speed drill, then epoxy hardener, component B is added into the component A and mixed under low speed mixer during 3-4 minutes until homogenous mixture is obtained. Prepared mixture is applied with using a roller, brush or trowel as 300-500 micron thickness for each layer. According to application surface, one or second coats is applied. Second coat must be applied on dry/wet first coat layer. Application must be done within 45 minutes. According to weathering conditions, top coat application should be started after 2 to 24 hours. Final curing is done after 7 days. Surface must be protected from water and rain during 24 hours after application. During the application and surface temperature must be between +10°C to +30°C. In rainy and windy days, material must not be applied.

Consumption
0,400 - 0,700 kg/m^2 for each layer.

Package
A component: 15 kg + B component: 5 kg = 20 kg set

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

EPOX PR 300

Epoxy Based, Two Component, Moisture Tolerant Primer

Description
EPOX PR 300 is an epoxy resin based, two component, low viscosity, high adhesion performance even though on moist concrete and mineral surfaces, solvent free impregnation primer.

Fields of Application
- On interior and exterior surfaces,
- On moist and oily surfaces,
- On concrete and cement based mineral surfaces,
- Used as a primer before BAUMERK epoxy and polyurethane floor systems,
- Used as a binder for epoxy based mortars and mortar screeds,
- Used as filler and repair mortar when mixed with aggregate.

Features and Benefits
- Has high adhesion performance even though moist surfaces.
- Solvent free, safely used in interior surfaces.
- Excellent penetration ability due to low viscosity behavior.
- Has high chemical resistance.
- Easy to apply.

Application Procedure
Preparation of Substrate
The application surface must be durable, fully cured, sound, dry, clean and clean off all contaminant, rust, oil, dust etc. Surface must be roughened mechanically by blasting, milling or sanding before application.

Application Method
Epoxy resin, component A is stirred under low speed drill, then epoxy hardener, component B is added into the component A and mixed under low speed mixer during 3-4 minutes until homogenous mixture is obtained. For primer applications, prepared mixture is applied on the surface by using roller, brush, trowel or squeegee. Application must be done within 30 minutes. According to weathering conditions waiting period between the coats is 10-48 hours. Final curing is done after 7 days. Surface must be protected from water and rain during 24 hours after application. During the application and surface temperature must be between +10°C to +30°C. In rainy and windy days, material must not be applied.

Consumption
0,300 - 0,500 kg/m^2

Package
A component: 10 kg + B component: 5 kg = 15 kg set

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

EPOX FL 500

Epoxy Based, Two Component, Solvent Free Floor and Wall Paint

Description
EPOX FL 500 is an epoxy resin based, two component, solvent free paint for floor and wall.

Fields of Application
- On concrete and cement based mineral surfaces,
- On light, medium and heavy wear industrial areas such as factory, storage halls, loading ramps etc.
- On carpark, pedestrian walkways, power plants.
- On hygiene needed areas such as hospitals, laboratory, food industries etc.

Features and Benefits
- Excellent chemical and mechanical strength.
- Has high adhesion performance.
- Solvent free, safely used in interior surfaces.
- Easy to apply.
- Easy to clean.

Application Procedure
Preparation of Substrate
The application surface must be durable, fully cured, sound, dry, clean and clean off all contaminant, rust, oil, dust etc. Surface must be primed before the application with appropriate BAUMERK epoxy primers.

Application Method
Epoxy resin, component A is stirred under low speed drill, then epoxy hardener, component B is added into the component A and mixed under low speed mixer during 3-4 minutes until homogenous mixture is obtained. Prepared mixture is applied on the primed surface by using roller or spray machine as two layers. Waiting period between the coats must not exceed 24 hours. Application must be done within 30 minutes. Final curing is done after 7 days. Surface must be protected from water and rain during 24 hours after application. During the application and surface temperature must be between +10°C to +30°C. In rainy and windy days, material must not be applied.

Consumption
0,400 - 0,600 kg/m^2 for each coat.

Package
A component: 4,35 kg + B component: 0,65 kg = 5 kg set

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

EPOX FL 600 W

Water Based, Epoxy Floor and Wall Coating

Description
EPOX FL 600 W is a two component, water based epoxy floor and wall coating material.

Fields of Application
- On the concrete and cement based mineral surface.
- On the heavy traffic areas such as factory, production areas, loading bays, warehouses.
- On car park, garage, hotel surfaces.
- On hygiene needed areas such as hospital, operation room, laboratory, food processing area etc.

Features and Benefits
- Excellent adhesion performance.
- Water based, solvent-free, odorless.
- Highly resistant to mechanical impact, abrasion and chemicals.
- Water vapor permeable.
- Moisture tolerance.

Application Procedure
Preparation of Substrate
Application surface must be durable, sound, cured, dry, clean and clean off the contaminant such as dirt, dust, rust, oil etc. Surface must be roughened mechanically by blasting, milling or sanding before application. Before the application of EPOX FL 600, primer should be applied on the surface and leave to dry.

Application Method
Epoxy hardener component B is poured into epoxy resin component A under low speed mixer and mixed together during 3-4 minutes until homogenous mixture is obtained. Mixture should be applied on the surface with using a roller or sprayer. Application must be 2 layers and 24 hours must be waited between the coats. Mixture must be used within 45 minutes. Final curing is done 7 days later. Surface must be protected from water and impacts within 24 hours after application. During the application and surface temperature must be between +10°C to +30°C. In rainy and windy days, material must not be applied.

Consumption
0.400 - 0.600 kg/m^2 for each layer (depending upon the substrate)

Package
A component: 15 kg + B component: 10 kg = 25 kg set

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

EPOX FL 700

Epoxy Based, Two Component, Solvent Free, Orange Peel Textured Topcoat Material

Description
EPOX FL 700 is an epoxy resin based, two component, low viscosity, solvent free topcoat material that provides orange-peel textured surface.

Fields of Application
- On concrete and cement based mineral surfaces,
- On heavy wear industrial areas such as factory, storage halls, loading ramps, airplane hangars etc.
- On wet volumes such as hospital, laboratory, industrial kitchens, food, pharmaceutical industries etc.
- On thermal and hydroelectric power plants,
- On convention centers, carparks, shopping mall floors as non-slipping floor coating material.

Features and Benefits
- Excellent adhesion performance.
- Solvent free, safely used in interior surfaces.
- Excellent penetration ability.
- Does not sagging on surface because of thixotropic behavior.
- Semi elastic.
- Excellent chemical and mechanical strength.
- Easy to apply.
- Easy to clean.

Application Procedure
Preparation of Substrate
The application surface must be durable, fully cured, sound, dry, clean and clean off all contaminant, rust, oil, dust etc. Surface must be roughened mechanically by blasting, milling or sanding before application. Surface must be primed before the application with appropriate BAUMERK epoxy primers.

Application Method
Epoxy hardener, component B is added into epoxy resin component A and mixed under low speed mixer during 3-4 minutes until homogenous mixture is obtained. Prepared mixture is applied on the primed surface by using textured roller. Notched trowel should be used in order to achieve an aesthetically higher grade of finish. If surface has foam, spiked roller is used in two directions. At the last step, textured roller is used to provide even and texture effect. Application must be done within 30 minutes. According to weathering conditions, waiting period between the coats must be between 10 to 48 hours. Final curing is done after 7 days. Surface must be protected from water and rain during 24 hours after application. During the application and surface temperature must be between +10°C to +30°C. In rainy and windy days, material must not be applied.

Consumption
0,500 - 0,700 kg/m^2 for each layer.

Package
A component: 21,17 kg + B component: 3,83 kg = 25 kg set

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

EPOX SL 800

Epoxy Based, Two Component, Solvent Free, Self-levelling Coating Material

Description
EPOX SL 800 is an epoxy resin based, two component, low viscosity, solvent free, self-levelling multi-purpose coating material.

Fields of Application
- On concrete and cement based mineral surfaces,
- On medium and heavy wear industrial areas such as factory, storage halls, loading ramps, airplane hangars etc.
- On wet volumes such as hospital, laboratory, industrial kitchens, food, pharmaceutical industries etc.
- On gym centers, carparks, shopping malls as coating material.

Features and Benefits
- Excellent adhesion performance.
- Solvent free, safely used in interior surfaces.
- Excellent penetration ability due to low viscosity.
- Excellent chemical and mechanical strength.
- Easy to apply.
- Easy to clean.

Application Procedure
Preparation of Substrate
The application surface must be durable, fully cured, sound, dry, clean and clean off all contaminant, rust, oil, dust etc. Surface must be roughened mechanically by blasting, milling or sanding before application. Surface must be primed before the application with appropriate BAUMERK epoxy primers.

Application Method
Component A and B is stirred separately under low speed drill, then epoxy hardener, component B is added into epoxy resin component A and mixed under low speed mixer during 3-4 minutes until homogenous mixture is obtained. Prepared mixture is poured on the primed surface. Notched trowel should be used in order to achieve an aesthetically higher grade of finish. If surface has foam, spiked roller is used in two directions. Make sure that a continuous, pore free coat covers the substrate. Application must be done within 30 minutes. According to weathering conditions, waiting period between the coats must be between 10 to 48 hours. Final curing is done after 7 days. Surface must be protected from water and rain during 24 hours after application. During the application and surface temperature must be between +10°C to +30°C. In rainy and windy days, material must not be applied.

Consumption
1,50 kg/m^2/mm

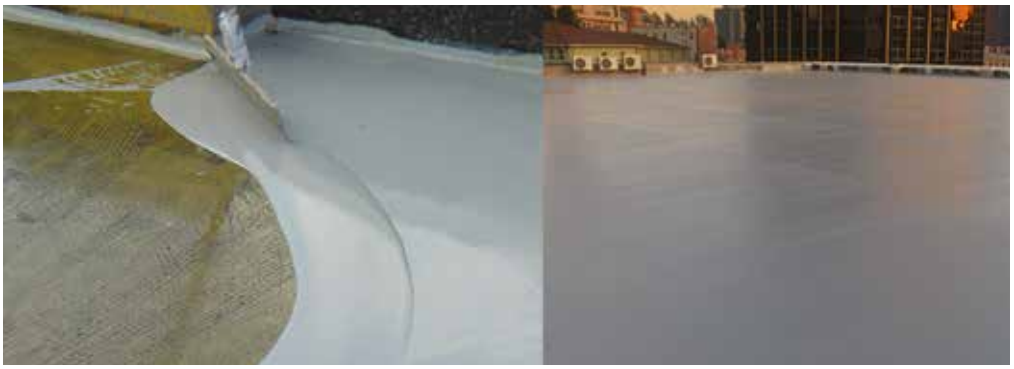
Package
A component: 20 kg + B component: 5 kg = 25 kg set

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

PURSELF 201

Polyurethane Based, Two Component, Solvent Free, Self-levelling Coating and Waterproofing Material



Description
PURSELF 201 is a polyurethane based, two component, low viscosity, solvent free, self-levelling coating and waterproofing material.

Fields of Application
- On concrete and cement based mineral surfaces,
- On internal and external applications,
- On factory, storehouse,
- On airplane hangars, tunnels and parking garages
- On shopping malls, markets and restaurants,
- On roof, terrace, ponds and underground water storage.

Features and Benefits
- Excellent adhesion performance.
- Solvent free, safely used in interior surfaces.
- Excellent penetration ability due to low viscosity.
- Covers static cracks.
- Creates jointless and a seamless surface.
- Excellent chemical, mechanical and abrasion strength.
- Easy to apply.

Application Procedure
Preparation of Substrate
The application surface must be durable, fully cured, sound, dry, clean and clean off all contaminant, rust, oil, dust etc. Surface must be roughened mechanically by blasting, milling or sanding before application. Surface must be primed before the application with appropriate BAUMERK epoxy primers.

Application Method
Component A is stirred under low speed drill, then polyurethane hardener, component B is added into polyurethane resin component A and mixed under low speed mixer during 3-4 minutes until homogenous mixture is obtained. Prepared mixture is poured on the primed surface and spread with serrated trowel, notched trowel or squeegee as required thickness. Notched trowel should be used in order to achieve an aesthetically higher grade of finish. If surface has foam, spiked roller is used in two directions. Make sure that a continuous, pore free coat covers the substrate. Application must be done within 30 minutes. According to weathering conditions, waiting period between the coats must be between 10 to 48 hours. Final curing is done after 7 days. Surface must be protected from water and rain during 24 hours after application. During the application and surface temperature must be between +10°C to +30°C. In rainy and windy days, material must not be applied.

Consumption
1,35 kg/m²/mm

Package
18 kg component A + 6 kg component B = 24 kg set

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

FH QUARTZ

Quartz Aggregate, Concrete Surface Hardener

Description
Cement based, quartz aggregate, ready to use ground hardener that applied as a dry powder form to the surface of fresh concrete.

Fields of Application
- On light, medium and heavy duty areas.
- On industrial floors, factories, shipyards,
- Loading bays, warehouses,
- On garages, car parks, car wash areas,

Features and Benefits
- Provides impact and abrasion resistance, non-dusting property and protection to wearing that caused from medium and heavy duties on concrete surface.
- Easy to apply on fresh concrete.
- Resistant to abrasion 2-4 times more than normal concrete.
- High efflorescent resistance.
- Excellent chemical resistance.

Application Procedure
Preparation of Substrate
Surface must be roughened before the application. Application surface must be damped. FH QUARTZ is ideally applied to a surface which is neither too wet nor too dry. EPOX 311 or LATEX is recommended to applied for increasing adhesion between the old and new concretes. Surface hardener materials only improve impact and abrasion resistance on applied surfaces. They do not affect concrete mechanical strength, for this reason concretes always designed for the load to be applied on it. If FH QUARTZ is going to be applied on a screed, minimum thickness of screed must be above 7 cm, water / cement ratio must be above 0,45 and concrete class must be minimum C25.

Application Method
Before the application, 5x5 cm rectangular shaped concrete should be taken from the joint borders. This space must be filled FH QUARTZ with diluted water by using trowel. This method prevents the joint borders against breaking under heavy duties. Spreading procedure shall be initiated depending on the environment and weather conditions once a setting not sinking when stepped on the concrete however leaving a 0,5-1,5 cm deep foot print is achieved. Spread the 2/3 of the FH QUARTZ onto the concrete homogeneously then wait to material absorb moisture from the surface and apparent dark color and ensure integrated material with the surface by polishing. After the first application, spread the remaining 1/3 of the material onto the concrete and continue polishing vertically against the polishing in the first application. Keep polishing the last layer until the desired smoothness is achieved by adjusting the polish and blade angle. Rapid setting shall be prevented by means of spraying water gently and covering the back with folio or cure the surface with CURE P, CURE A or CURE R by cutting the cracked control grouts from required points.

Consumption
4 to 8 kg/m² according to the intended use

Package
25 kg kraft bag

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

FH KORUND

Corundum Aggregate, Concrete Surface Hardener

Description
Cement based, corundum aggregate, ready to use ground hardener that applied as a dry powder form to the surface of fresh concrete.

Fields of Application
- On medium and heavy duty areas.
- On factories, shipyards, loading bays, warehouses.
- On garages, car parks, car wash areas.
- On helicopter pads, aircraft hangars.

Features and Benefits
- Provides impact and abrasion resistance, non-dusting property and protection to wearing that caused from medium and heavy duty on concrete surface.
- Easy to apply on fresh concrete.
- Non-oxidising.
- Resistant to abrasion 4-6 times more than normal concrete.
- High efflorescent resistance.
- Excellent chemical resistance.

Application Procedure
Preparation of Substrate
Surface must be roughened before the application. Application surface must be damped. FH KORUND is ideally applied to a surface which is neither too wet nor too dry. EPOX 311 or LATEX is recommended to applied for increasing adhesion between the old and new concretes. Surface hardener materials only improve impact and abrasion resistance on applied surfaces. They do not affect concrete mechanical strength, for this reason concretes always designed for the load to be applied on it. If FH KORUND is applied on a screed, minimum thickness of screed must be above 7 cm, water / cement ratio must be above 0,45 and concrete class must be minimum C25.

Application Method
Before the application, 5x5 cm rectangular shaped concrete should be taken from the joint borders. This space must be filled FH KORUND with diluted water by using trowel. This method prevents the joint borders against breaking under heavy duties. Spreading procedure shall be initiated depending on the environment and weather conditions once a setting not sinking when stepped on the concrete however leaving a 0,5-1,5 cm deep foot print is achieved. Spread the 2/3 of the FH KORUND onto the concrete homogeneously then wait to material absorb moisture from the surface and apparent dark color and ensure integrated material with the surface by polishing. After the first application, spread the remaining 1/3 of the material onto the concrete and continue polishing vertically against the polishing in the first application. Keep polishing the last layer until the desired smoothness is achieved by adjusting the polish and blade angle. Rapid setting shall be prevented by means of spraying water gently and covering the back with folio or cure the surface with CURE P, CURE A or CURE R by cutting the cracked control grouts from required points.

Consumption
4 to 8 kg/m² according to the intended use.

Package
25 kg kraft bag

You can download product TDS from our web site.

BAUMERK®
CONSTRUCTION CHEMICALS

FH STAMP

Stamped Concrete Surface Hardener

Description
FH 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.

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

Features and Benefits
- 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.

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

Application Method
Colored FH STAMP is spreaded approximately 4-5 kg/m^2 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. FH RELEASE AGENT antique effect powder are applied on whole surface to form a thin layer as 200 g/m^2. After spread the FH 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 welting by a pounder. Depends on weathering conditions after 1 or 2 days later, firstly RELEASE AGENT is swept out and then surface must be washed with pressure water until get desired appearance. A part of the FH RELEASE AGENT 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, FH SHINER is applied 2 layers with using roller or spray gun as 300-400 g/m^2. Surface color and surface are protected from acid, base, solvents, chemicals and UV lights with this process.

Consumption
4 - 5 kg/m^2

Package
25 kg kraft bag

You can download product TDS from our web site.

FH RELEASE AGENT

Release Agent for Stamped Concrete Systems

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

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

Features and Benefits
- 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.

Application Procedure
Preparation of Substrate
FH RELEASE AGENT application must be started after finished the surface hardener application and polishing.

Application Method
FH 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 appearane, 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^2

Package
6 kg plastic bucket

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

FH SHINER

Protective and Polisher Coating Material

Description
FH SHINER is a natural appearance, solvent and acrylic resin based protective and polisher coating material that designed for concrete and natural stone surface.

Fields of Application
- 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 FH STAMP applied surfaces.

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

Application Procedure
Preparation of Substrate
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.

Application Method
FH 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/m² for 3 layers.

Package
30 lt plastic drum

You can download product TDS from our web site.

LH 130

Surface Hardener and Shiner Material for Cement Based Surfaces

Description
LH 130 is sodium silicate based, capillary effect, liquid surface hardener for all kind of cement based surfaces. It penetrates deeply into the surface zone of the concrete and provides permanent hardness.

Fields of Application
- In all type cementitious (old-new) based surfaces,
- In interior and exterior surfaces,
- In needed high mechanical strength areas,
- In factories, warehouses, aircraft hangars, loading areas,
- In garage and parking lots,
- In walkways and sideways.

Features and Benefits
- Provides permanent surface hardness.
- Has high abrasion resistance.
- Protects the surface from efflorescence and cracks forming.
- Prevents dusting.
- Provides gloss and bright appearance to surface.
- Non toxic.
- Prevents water loss in fresh concrete during occurring hardness.
- Gives chemical resistance to concrete.

Application Procedure
Preparation of Substrate
Application surface must be solid, sound and clean off materials which prevent bonding, such as dust, oil, paint, curing materials, detergent, grease, silicon etc. Any water accumulation is not on the surface and surface should be able to take foot traffic.

Application Method
LH 130 is ready to use material. It should be applied on the fresh concrete or screed surface with using spray gun or direct pouring uniformly. Surface should be looked wet within 30 minutes after application. If surface is dried quickly, one more layer application might be needed. After this time, surface is processed by a surface cleaner machine or a soft-hair broom/brush until a jell-like form is achieved on the surface during 30 minutes. This process makes deeply penetration into the concrete. After that surface is rewetted and process is applied again with using soft-hair broom/brush until slippery/jell like form is obtained. After the application ends, the surface is rewet and excess material is removed from the surface. After the application, there is no any slippery areas. According to weathering conditions, the treated surface is ready to use after 1-2 hours. The final strength is achieved after 7 days. Last brightness is achieved 30-90 days.

Consumption
0,200 - 0,400 kg/m^2 according to surface absorbency.

Package
30 kg plastic drum

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

LH 230

Liquid Surface Hardener, Dusting Preventive and Polisher

Description
LH 230 is lithium silicate based, capillary effected, liquid surface hardener with low viscosity that protects the surface from dusting and abrasion by being applied on concrete and cement based floors. It penetrates deeply into the surface zone of the concrete and cementitious screeds and reacts to form insoluble calcium silicate hydrate in existing pores.

Fields of Application
- Indoor and outdoor applications,
- In concrete floors, cement based screeds, tile and stone covered floors that are required to be hardened and dust free,
- In factories, industrial fields and mechanical workshops,
- In storages and garages,
- In aircraft hangar and helicopter pad.

Features and Benefits
- Increases abrasion and dusting resistance of cement based surfaces.
- Makes a silky and gloss appearance layer on the surface.
- Creates water impermeable, dust repellent surface.
- Provides permanent and efficient durability.
- Prevents crack formation on the concrete.
- Water vapour permeable.
- Environment friendly.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces.

Application Method
LH 230 is ready to use material. It should be applied on the fresh concrete or screed surface with using spray gun uniformly. It must be applied as one layer with filling all the porous. Surface should be looked wet within 15-20 minutes after application. If surface is dried quickly, one more layer application might be needed. The treated surface is ready to use after 1-2 hours. The final strength is achieved after 7 days.

Consumption
For smooth surface; 0,100 - 0,200 kg/m^2
For concrete surface with dryshake; min. 0,200 kg/m^2

Package
30 kg plastic drum

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

LH 415

Dusting Preventive and Surface Protection Material

Description
LH 415 is a solvent-acrylic resin based, silane modified, highly penetrating, transparent, one component, concrete surface protection material that prevents concrete to dusting and enhance mechanical strength.

Fields of Application
- LH 415 can be used all kind of old, dusting, new, polished or non-polished concrete surface to protect concrete and enhance of service life.
- On contraction capillary cracks content concrete surfaces.
- On production line of plant.
- On outdoor concrete surfaces.
- On garage and car parking areas.

Features and Benefits
- Highly penetrating.
- Ready to use. Easy to apply.
- Resistant to weathering conditions and UV light.
- Water resistance.
- Highly resistant to aging, diluted acids, bases, salts, chemical substances.
- Surface properties do not affect to light or heavy loading traffic, forklift and transfer vehicle.
- Provides rough and durable surface that resistant to the abrasion.
- Due to the transparent appearance creates a decorative appearance.
- Creates easy clean, gloss and dirt-repellent surface.

Application Procedure
Preparation of Substrate
The surface must be sound, dry, clean and clear of materials which prevent bonding, such as dust, oil, tar, bitumen, paint, silicone, curing agents, detergents and mold release oils.

Application Method
LH 415 is ready-to-use. Do not mix with any other material or dilute. Stir before usage. Applied with brush, roller or spray. On absorbent and rough surface, LH 415 should be used at least two layers. Minimum 1 hour is waited between the coats. After application 24 hours is waited for curing. Final curing takes place in 7 days.

Consumption
According to surface absorbent properties 0,150 - 0,250 kg/m^2 for single layer.

Package
15 kg metal pail

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

CURE A

Acrylic Based, Concrete Curing Compound

Description
CURE A is an acrylic emulsion based, concrete liquid curing compound that prevents quick loss of water from the concrete with applied on fresh concrete surface.

Fields of Application
- Concrete roads and bridges,
- Canal and canalette,
- Airport and field concrete,
- Concrete applications where there is plenty of air flow and evaporation and where there is less moisture.

Features and Benefits
- Resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement
- More effective than exhausting curing methods such as sack or canvas laying or water wetting.
- Makes harder and dust-free surface.
- Prevents shrinkage cracks resulting from fast drying while concrete surface is cured.
- Penetrates deeply into the concrete, does not peel off the surface, does not create dust.
- Applied cement and resin based materials on the cured surface.
- Water based, safely used in closed environments.

Application Procedure
Application Method
CURE A is applied with using spray gun or roller on fresh concrete. It is applied on primed field, road and slab concrete surfaces and on molded concrete surfaces which loss their glosses after strike. Second layer should be applied within 6 hours on open air and windy days.

Consumption
0,200 - 0,300 kg/m² for 2 layers.

Package
30 kg plastic drum

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

CURE P

Paraffin Wax Emulsion Based, Concrete Curing Compound

Description
CURE P is a paraffin emulsion based, liquid concrete curing compound that prevents quick loss of water from the concrete with applied on fresh concrete surface.

Fields of Application
- Concrete roads and bridges,
- Canal and canalette,
- Airport and field concrete,
- Concrete applications where there is plenty of air flow and evaporation and where there is less moisture,

Features and Benefits
- Resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement
- More effective than exhausting curing methods such as sack or canvas laying or water wetting.
- Makes harder and dust-free surface.
- Prevents shrinkage cracks resulting from fast drying while concrete surface is cured.
- Water based, safely used in closed environments.

Application Procedure
Application Method
CURE P is applied with using spray gun or roller on fresh concrete. It is applied on primed field, road and slab concrete surfaces and on molded concrete surfaces which loss their glosses after strike.

Consumption
0,150 - 0,200 kg/m^2

Package
20 kg plastic drum

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

CURE R

Styrene Resin Based, Curing Compound and Surface Protector

Description
CURE R is a styrene resin based, waterborne liquid curing compound that prevents quick loss of water from the concrete with applied on fresh concrete surface.

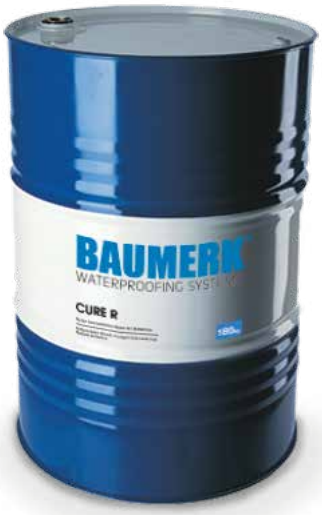
Fields of Application
- Concrete roads and bridges,
- Canal and canalette,
- Airport and field concrete,
- Before epoxy coating,
- Right after fresh concrete and surface hardener applications for curing purposes,
- Concrete applications where there is plenty of air flow and evaporation and where there is less moisture.

Features and Benefits
- Resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement.
- More effective than exhausting curing methods such as sack or canvas laying or water wetting.
- Penetrates deeply into the concrete, does not peel off the surface, does not create dust.
- Creates more quick layer in comparison with paraffin based materials.
- Complies with epoxy and polyurethane systems.
- Makes harder and dust-free surface.
- Prevents shrinkage cracks resulting from fast drying while concrete surface is cured.

Application Procedure
Application Method
CURE R is applied with using spray gun or roller on fresh concrete. It is applied on primed field, road and slab concrete surfaces and on molded concrete surfaces which loss their glosses after strike.

Consumption
0,150 - 0,200 kg/m^2

Package
180 kg barrel



BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

BRUT PR

Bonding Agent for Plaster on Fair Faced Concrete Surfaces

Description
BRUT PR is a polymer modified resin-based primer with quartz granular that is developed for increasing adhesion and durability before applying plaster and cement based plaster on the smooth surfaces like fair faced concrete, wall and ceiling concrete surfaces, ceiling and wall.

Fields of Application
- Interior areas for horizontal, vertical and ceiling applications.
- Used as primer on ceiling plasters.
- Apply to brute concrete surface before cement and gypsum based plaster applications.
- Used for improving adhesion, working time and workability to plasters.

Features and Benefits
- Improves adhesion, working time and durability of cement and gypsum based plaster to the surface such as brute concrete, wall, ceilings.
- Water based, odorless and safely used in interiors.
- Prevents quick water loss of concrete which applied on highly absorbent surfaces.

Application Procedure
Preparation of Substrate
Application surface must be durable, sound, cured, dry, clear and clean off the contaminant such as dirt, dust, rust, oil etc.

Application Method
4-6 lt water is slowly poured into the 12 kg BRUT PR under low speed mixture. Mixture must be stirred during 3-4 minutes until homogenous state is obtained. Diluted BRUT PR is should be applied with using lambskin roller on the surface as one layer. Cement or gypsum based plasters should be applied on it after 24 hours. Application temperature should be between +5°C to 35°C and surface should be dry.

Consumption
0.150 - 0.250 kg/m^2 depends on surface absorbency

Package
12 kg plastic bucket

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

SELFING 315

Cement-Acrylic Based, Self-levelling High Performance Floor Coating

Description
SELFING 315 is a cementitious acrylic based, steel fibre-reinforced, self levelling, two component, applied with 4-8 mm thickness, high abrasion resistance and elastic industrial floor coating material.

Fields of Application
- Indoor and outdoor areas
- Factory and warehouse floors
- Shopping center
- Car parks and garrages
- In loading bays
- Gas stations
- Balcone and terraces
- In worn and torn industrial floors used as floor coating

Features and Benefits
- Provides excellent resistance up to 8 mm thickness application.
- Excellent adhesion to applied surfaces.
- Easy to apply, self levellling
- Flexible and do not affected vibrations
- Non- shrinkage
- Does not affected surface tension that occurred temperature differences.
- Resistant to mechanical influences, water and chemicals.
- Excellent freeze-thaw stability

Application Procedure
Preparation of Substrate
The surface must be dry, sound, moisture free and clear of materials which prevent bonding, such as dust, oil, paint, silicone, curing agents and detergents. Surface temperature should be minumum +10°C. Loose materials on the surface must be removed; cracks on surface must be repaired by proper BAUMERK repair mortar. The prepared substrate should be wetted with water get uniformly saturation, leaving any standing water on surface. Cold joint and small cracks (up to 1 mm) can be filled with SELFING 315.

Application Method
Part B should be poured into a clean mixed bucket, Part A is added on Part B under electrical mixer. Mixture is stirred 3-5 minutes until get a homogenous mixture. SELFING 315 mixture should be applied as a primer on substrate with bristle brush for obtaining excellent adhesion. Mixture should be applied on wet primer by trowel. After the application, any entrapped air should be released with a spike roller. Under normal conditions, SELFING 315 is ready after 48 hours for pedestrian traffic, after 72 hours for car traffic. 7 days must be waited for heavy traffic conditions.

Consumption
9,5 kg/m^2 mixture is used for getting 5 mm thickness.

Package
Total 31,5 kg set
Component A: 25 kg powder
Component B: 6,5 kg liquid

You can download product TDS from our web site.

SELFING 600

Cement Based, Self Levelling Flooring Compound (3-10 mm)

Description
SELFINF 600 is a cement based, self levelling flooring compound that manufactured using cement based chemical additives and polymers.

Fields of Application
- Indoors and dry areas.
- In hotels, schools, hospitals, stores, shopping malls,
- In residence before bonding ceramic, tile, granite, marble materials on the floor with cement based mortars.

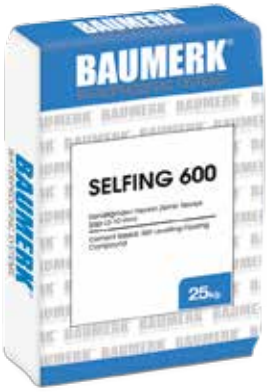
Features and Benefits
- Excellent crack and abrasion resistance.
- Easy to apply. Only diluted with water.
- Self-levelling.
- Applicable 3-10 mm thickness.

Application Procedure
Preparation of Substrate
The application surface must be free of materials such as molding oils, dust, paints, dirt, detergents that prevent bonding. Prime the surfaces with LATEX or SPR 104 for improving performance on high absorbance and rough surfaces.

Application Method
25 kg SELFING 600 is slowly poured into the 5 liters water under low speed mixture for 3-5 minutes until homogenous mixture is obtained. The mixture is allowed to rest 3-5 minutes and then after mixing for 30 seconds the product is ready to use and apply it with using notched or expanding trowel as intended thickness. Top coat applications as wooden parquet, vinyl etc must be done after 3 days. Application and surface temperature must be between +5°C to +25°C. It is not recommended to apply on frost risk, extremely hot and windy days.

Consumption
1,70 kg/m²/mm (for 1 mm thickness)

Package
25 kg kraft bag



BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

EPOCOL 110

Epoxy-Coal Tar and Solvent Based Coating

Description
EPOCOL 110 is an epoxy-coal tar and solvent based , two component, low viscosity coating and waterproofing material.

Fields of Application
EPOCOL 110 has been specifically developed for coating and waterproofing on concrete, metal, wood and likely materials. It is used in protecting indoor and outdoor surfaces at waste water, outdoor surfaces at clean water facilities, all kind of underground facilities such as canal, foundation and pipeline.

Features and Benefits
- Fills the pore of the application subsrates such as betone, metal etc.
- Provides excellent adhesion to top layer polyurethane system.
- Resistance to mechanical influences, water and chemicals.
- Easy to mix and apply.
- After curing time being a sound and hard paint.
- Excellent adhesion to common surfaces like steel, concrete, stone, artificial stone, wood, etc.
- Adhesion does not deteriorate if product submersed in water, sea water, sewage and oils.

Application Procedure
Preparation of Substrate
The surface must be dry, sound, moisture free and clear of materials which prevent bonding, such as dust, oil, paint, silicone, curing agents and detergents. Loose materials on the surface must be removed; cracks on surface must be repaired. Humidity must be max %4. Smooth surfaces should be roughened.

Application Method
Part A should be mixed on its package with low speed electrical stirrer during 1 minute until get a homogenous state. Part B is added on Part A, mixture is stirred 3 minutes until get a homogenous mixture. Application should be done with roll, brush or spray. Mixture pot time changes according to weather conditions. This time is nearly 60 minutes, but the time can be reduce in hot weather, can be increase in cold weather. Applied surface should be protected from water, rain, freeze.

Consumption
0,300 - 0,450 kg/m^2 for each layer.

Package
A + B components = 11 kg set

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

EPOCOL 220

Epoxy-Coal Tar Based, Solvent Free Coating

Description
EPOCOL 220 is an epoxy-coal tar based, solvent free, two component, low viscosity coating and waterproofing material.

Fields of Application
- EPOCOL 220 has been specifically developed for coating and waterproofing on concrete, metal, wood and likely materials.
- It protects surfaces exposed to sea against corrosion.
- EPOCOL 220 especially does not allow microbiological contamination and vegetation.
- It is used in protecting indoor and outdoor surfaces at waste water, outdoor surfaces at clean water facilities, all kind of underground facilities such as canal, foundation and pipeline.

Features and Benefits
- Fills the pore of the application subsrates such as betone, metal etc.
- Resistance to mechanical influences, water and chemicals.
- Easy to mix and apply.
- After curing time, it begins a sound and hard paint.
- Solvent free. It can be used at closed areas.

Application Procedure
Preparation of Substrate
The surface must be dry, sound, moisture free and clear of materials which prevent bonding, such as dust, oil, paint, silicone, curing agents and detergents. Loose materials on the surface must be removed; cracks on surface must be repaired. Humidity must be max %4. Smooth surfaces should be roughened.

Application Method
Part A should be mixed on its package with low speed electrical mixer during 1 minute until get a homogenous state. Part B is added on Part A, mixture is stirred 3 minutes until get a homogenous mixture. Application should be done with roll, brush or spray. Mixture pot time changes according to weather conditions. This time is nearly 60 minutes, but the time can be reduce in hot weather, can be increase in cold weather. Applied surface should be protected from water, rain, freeze.

Consumption
0,300 - 0,450 kg/m^2 for each layer.

Package
A + B components = 20 kg set

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

MD 100

Mold Release Agent for Wood Mold

Description
MD 100 is a mold release agent that especially designed for wood and plywood molds to release the concrete from molds in easy way.

Fields of Application
Plywood and wooden mold.

Features and Benefits
- Allows to release of concrete easy and smooth from the molds.
- Protects surface smoothness.
- Keeps molds clean.
- Does not cause dirt or stain on the concrete.
- Extends mold life.

Application Procedure
Preparation of Substrate
The surface must be clean, dry and free from dust, dirt, rust and grease. Molds should be clean.

Application Method
MD 100 is a ready to use material. It is applied on the molds by dipping, spraying, roller or brush. It should be applied as a thin layer.

Consumption
20 - 30 m^2 area is greased with 1 kg product depends on mold's surface and type.

Package
25 kg plastic drum

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

MD 200

Steel Mold Release Agent

Description
MD 200 is mold release agent formulated with aliphatic and natural esters and other performance increase additives to release the concrete from molds in easy way.

Fields of Application
Steel mold, plywood and timber mold.

Features and Benefits
- Does not penetrate into the concrete and does not leave any scars.
- Allows to release of concrete easy and smooth from the molds.
- Protects surface smoothness.
- Keeps molds clean.
- Environmental friendly product.

Application Procedure
Preparation of Substrate
The surface must be clean, dry and free from dust, dirt, rust and grease. Molds should be clean.

Application Method
MD 100 is a ready to use material. It is applied on the molds by dipping, spraying, roller or brush. It should be applied as a thin layer.

Consumption
20 - 30 m^2 area is greased with 1 kg product depends on mold's surface and type.

Package
25 kg plastic drum

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

BAUMERK®
CONSTRUCTION CHEMICALS

Repair and Reinforcement Systems

REPAMERK 1

Cement Based, Repair Mortar for Non-Structural Repairs

Description
REPAMERK 1 is cement based one component, polymer modified repair mortar for non-structural repairs on concrete structures.

Fields of Application
- Repairing and smoothing the concrete surfaces,
- Repairing and plastering the exposed concrete,
- Repairing and plastering ceiling and walls,
- Repair of the defects on the concrete surfaces before coating waterproofing, ceramic, tile etc. application.

Features and Benefits
- Mixed with only water and can be applied easily.
- Has high stability.
- Perfect bonding to the concrete substrates.
- Does not sag due to the thixotropic behavior.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. If there is a water leakage it must be drained or properly plugged. Concrete surfaces must be saturated with water before application. Defects up to 4 cm depth should be repaired with REPAMERK 301.

Application Method
25 kg REPAMERK 1 is mixed with 5,5 - 6,0 liters water under low speed mixer for 3-4 minutes until obtaining homogenous mixture. Mixture should be applied in 30 minutes at 20°C. REPAMERK 1 is applied with a trowel as 5-30 mm thickness. If required more smooth finish, water should be sprayed onto the mortar and the surface should be finished with using steel or wooden trowel. Application surface must be protected from the rain, wind,frost etc. during first 24-48 hours after finishing repair.

Consumption
For 10 mm thickness approximately 15 kg/m^2 is required.

Package
25 kg kraft bag

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

REPAMERK 2

Cement Based, Repair Mortar and Finishing Coat

Description
REPAMERK 2 is cement based, one component, polymer and fiber modified repair mortar for finishing the concrete surfaces.

Fields of Application
- Repair and finishing the concrete surfaces,
- Repairing and plastering exposed concrete,
- Repairing and plastering ceiling and walls,
- Providing smooth, sound and waterproof layer under paintings, on concrete surfaces under epoxy and PU coatings in industrial plants and under waterproofing systems.

Features and Benefits
- Mixed with only water and can be applied easily.
- Provides smooth finish.
- Has high stability.
- Perfect bonding to the concrete substrates.
- Does not sag due to the thixotropic behavior.
- Resistant to water and weather conditions.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. If there is a water leakage, it must be drained or properly plugged. Concrete surfaces must be saturated with water before application. Defects up to 4 cm depth should be repaired with REPAMERK 301.

Application Method
25 kg REPAMERK 2 is mixed with 4,75 – 5,0 liters water under low speed mixer for 3-4 minutes until obtaining homogenous mixture. Mixture should be applied in 30 minutes at 20°C. REPAMERK 2 is applied with a trowel as 1-5 mm thickness. If required more smooth finish, water should be sprayed onto the mortar and the surface should be finished with using steel or wooden trowel. Application surface must be protected from the rain, wind,frost etc. during first 24-48 hours after finishing repair.

Consumption
For 1 mm thickness approximately 1,70 kg/m^2 powder is required.

Package
25 kg kraft bag

BAUMERK®
CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

REPAMERK 301

Cement Based, Structural Repair Mortar

Description
REPAMERK 301 is a cement based, single component, polymer and fiber reinforced, thixotropic structural repair mortar with high strength.

Fields of Application
- To repair of the reinforced concrete elements,
- To protect concrete against sulphate and chlorine,
- To repair and protect underground structures,
- Structural and non-structural repairs of high strength concrete elements
- To repair light and medium traffic floors,
- To repair the tie-rod and cone holes.

Features and Benefits
- Non- shrink.
- Applicable as 10-40 mm thickness at one layer.
- Perfect bonding to the concrete and steel.
- High compressive strength.
- Does not sag due to the thixotropic behavior.
- Waterproof.
- Resistant to chloride, sulphate and oils.
- Easy to apply, mixed with only water.

Application Procedure
Preparation of Substrate
Concrete surface must be sound, clean and dry. Surface must be clean off dust, dirt, rust, oil and all contaminants. If there is a water leakage, it must be drained or properly plugged. Concrete surfaces must be saturated with water before application. Immediately before pouring, surface should be wetted, then remove all excess or standing water from within any formwork.

Application Method
25 kg REPAMERK 301 is poured into maximum 4 liters of water and mix for 3-4 minutes under low speed mixer until having a homogenous consistency. Let the mortar have rest for 4 minutes and re-mix for 30 seconds. Prepared mortar should be applied within 30 minutes in 20°C. REPAMERK 301 is applied on the surface by using a steel trowel or spray gun. Application thickness should be between 10-40 mm. If needed second coat should be applied after 24 hours in same way. If required more smooth finish, water should be sprayed onto the mortar and the surface should be finished with using steel or wooden trowel. Application surface must be protected from the rain, wind, frost etc. during first 24-48 hours after finishing repair.

Consumption
For 10 mm thickness approximately 19,20 kg/m^2 is required.

Package
25 kg kraft bag

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You can download product TDS from our web site.

REPAMERK 325

Corrosion Protection and Bonding Agent Mortar

Description
It is a cement based, one component, polymer modified, corrosion protection coating and bonding agent mortar.

Fields of Application
- As a corrosion protection for steel reinforcement in concrete
- Bonding agent for concrete repair mortars.

Features and Benefits
- Excellent adhesion on steel and concrete substrates.
- High mechanical strengths
- High impermeable to water and chlorides.
- Protects surface against to moisture and water.
- Easy to apply.

Application Procedure
Preparation of Substrate
Concrete subsrates: Must be clean, sound and free from dust, oil, grease and other contaminats. Surfaces should be abraded with needle gun, mechanical wire brush etc. Surface laitance must be removed. The prepared substrate should be wetted with water until uniformly saturated, leaving any standing water.
Steel reinforcement: All surface must be clean, free from oil, grease, rust and other surface contaminants. Surface should be ready by sandblasting.

Application Method
5,5 - 6 lt water is mixed with 25 kg REPAMERK 325. Powder is added into water and slowly stir with electrical stirred until getting homogenous mixture during 4 minutes. Let the mortar have rest for 4 minutes and re-mix for 30 seconds to apply with brush, roller or spray gun.
As Reinforcement Corrosion Protection: REPAMERK 325 is applied on steel surface approximately 1 mm thickness with brush or spray. After 4-5 hours later second layer is applied as the same thickness. The subsequent repair mortar should be applied after a similar period of time.
As Primer: REPAMERK 325 is applied on concrete surface approximately 1 mm thickness with brush,roll or spray. If surface is too absorbent, second layer should be applied after 3-4 hours later. The subsequent repair mortar should be applied while REPAMERK 325 is still wet, nearly 30 minutes later.

Consumption
1,55 kg of dry powder is used for 1 liter mixture.
As primer; 1,50 - 2,0 kg/m^2 dry powder

Package
25 kg kraft bag

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You can download product TDS from our web site.

GRT 20

Cement Based Grouting Mortar

Description
GRT 20 is a cement based, single component, flowable, ready to use grout mortar that expands to sufficiently counteract the plastic shrinkage normally associated with cement grouts.

Fields of Application
- Anchoring the machine feet,
- Rail beds,
- Columns in pre-cast construction,
- Concrete anchors,
- To fill in cavities, gaps and recesses,
- Bearing plates.

Features and Benefits
- Single-component and ready to use product, mixed with only water.
- Adjustable viscosity, applicable easily by pouring into mould.
- Has high strength.
- Has good flow characteristics.
- Resistant to impact.
- Protects to steel against corrosion.
- Prevents shrinkage after curing.

Application Procedure
Preparation of Substrate
Application surface must be sound, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Concrete surfaces must be saturated with water before application. Immediately before pouring remove all excess or standing water from within any formwork.

Application Method
25 kg bag GRT 20 is poured slowly into 3 - 3,5 liters of water under low speed mixer for 3-4 minutes until obtaining homogenous mixture. Mixture should be applied within 40 minutes at 20°C. GRT 20 is only applied for filling applications as 10-30 mm thickness for each layer. If required more thickness surface, aggregate can be added to grout. In case of adding extra aggregate to the grout, due to the reduction of cement percentage, performance can be reduced approximately 20-40 %. During the application surface and ambient temperatures should be between +5°C to +30°C. It is not recommended to apply on windy, rainy and frost days.

Consumption
For 1 litre fresh mortar, approximately 2,0 kg powder

Package
25 kg kraft bag

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You can download product TDS from our web site.

GRT 25

Cement Based, Flowable and Fast Setting Grout Mortar

Description
GRT 25 is a cement based, single component, fast setting repairing and filling mortar with early mechanical strength.

Fields of Application
- Required high strength and fast curing areas.
- Installation of manhole frames.
- Repairing track and runway concrete pavements.
- Repairing vehicle and pedestrian traffic areas.
- Fixing of the kerbstone and paver.

Features and Benefits
- Fast setting and can be opened to traffic within 1 hour after curing.
- Early mechanical strength.
- High compressive strength.
- Does not peel off and bleed.
- Has flowable property.
- Easy to apply, mixed with only water.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. If there is a water leakage it must be drained or properly plugged. Concrete surfaces must be saturated with water before application.

Application Method
25 kg bag GRT 25 is poured slowly into 3 - 3,5 liters of water under low speed mixer for 3-4 minutes until obtaining homogenous mixture. Mixture should be applied on the surface immediately because of quick setting property. GRT 20 is only applied for filling applications as 10-50 mm thickness for each layer. If required more thickness surface, aggregate can be added to grout. If needed much more thickness extra aggregate should be added on the grout in ratio of 1/2 (1 cup aggregate / 2 cups powder). Vehicle traffic or machinery should be avoided until full cure occurs.

Consumption
For 10 mm thickness approximately 21 kg/m^2 is required.

Package
25 kg kraft bag

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You can download product TDS from our web site.

EPOX 310

Epoxy Based, 3 Component, Solvent-free, Repairing and Filling Mortar

Description
EPOX 310 is an epoxy based, 3 component, solvent free repairing and filling mortar with contain special aggregate.

Fields of Application
- In industrial floors, crane rail and airport concrete runaways.
- To repairing highway joints.
- The maintenance and repair of marine structures.
- Bridge bearings and filling the empty space between the steel reinforcement of reinforced concrete columns.
- To repairing surface before epoxy and polyurethane floor coating applications.
- Repair works of reinforced concrete elements.

Features and Benefits
- Excellent adhesion on concrete and steel.
- Solvent free.
- Excellent abrasion and impact resistance.
- Excellent mechanical and chemical resistance.
- Can be applied without primer.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Appropriate BAUMERK primers should be applied before the application if needed.

Application Method
Component A and B are mixed under low speed mixer for 3-4 minutes, then component C is poured into the mixture and all of them mix for 3-5 minutes until obtaining homogenous mixture. Mixture must be applied in 60 minutes. Mixture should be applied on the surface with using a trowel as obtained maximum 50 mm thickness. Depending on the weather conditions 10-48 hours should be waited before layers. The product would be completely cured in minimum 7 days. During the application, ambient and surface temperatures should be between +10 C and +30 C. It is not recommended to application on rainy, windy and frost days. After application, the material should be protected from direct contact with water for a minimum of 24 hours.

Consumption
1,70 kg/m^2 for 1 mm thickness

Package
A component: 2 kg + B component: 1 kg + C component: 12 kg = 15 kg set

You can download product TDS from our web site.

EPOX 311

Epoxy Based, Two Component, Solvent Free, Adherence Between Old and New Concrete

Description
EPOX 311 is an epoxy based, two component, adherence bridge between old and new concrete, solvent free adhesive.

Fields of Application
- Concrete, natural stone, brick, wood, steel and metal surface,
- Adhesion between old and new concrete,
- Stabilizing the windows and doors,
- Bonding ceramic, tiles, granites on surfaces.

Features and Benefits
- Excellent adhesion on concrete and steel.
- Solvent free.
- Has high load carrying capacity.
- Excellent mechanical and chemical resistance.
- Can be applied without primer.
- Cannot be affected instant temperature changes.

Application Procedure
Preparation of Substrate
Application surface must be dry, sound, fully cured, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Surface must be roughened mechanically by blasting, milling or sanding before application.

Application Method
Component A and B are stirred separately under low speed mixer, then Component B is poured into the Component A and mixed together for 3-4 minutes until obtaining homogenous mixture. Mixture must be applied in 30 minutes.
Mixture should be applied on the surface with using a trowel or spatula as 0,5 - 1 mm thickness. Parts should to be bonded to each other by pressing them and waited stably until curing the adhesive. The product would be completely cured in minimum 7 days.
During the application, ambient and surface temperatures should be between +10 C and +30 C. It is not recommended to application on rainy, windy and frost days. After application, the material should be protected from direct contact with water for a minimum 24 hours.

Consumption
0,60 kg/m^2

Package
A component: 5 kg + B component: 2,5 kg = 7,5 kg set

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You can download product TDS from our web site.

EPOX 305

Epoxy Based, Two Component, Solvent-Free, Anchoring and Adhesive Mortar

Description
EPOX 305 is epoxy based, two component, solvent-free, fluid, anchoring and adhesive mortar.

Fields of Application
- Fastening iron of masonry structure on concrete.
- Binding the connect old and new concrete.
- To stabilize rail, machine, studs.
- To installation bolt and pins.
- Used as adhesive mortar for bonding metal parts to the surface.

Features and Benefits
- Has excellent adhesion property. Provides excellent bonding between old and new structures.
- Protects steel against corrosion.
- Improves mechanical strength.
- Solvent-free.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Cracks and pores must be repaired with suitable repair mortar.

Application Method
Component A and B is stirred separately under low speed mixer, then Component B is slowly poured into Component A under the low speed mixer and continue mixing until obtaining a homogenous mixture without any agglomerate (approximately 3-4 minutes).
For fresh concrete applied on old concrete; Mixture should be applied on old concrete with a brush or roller. Depending on weather conditions, after curing in 5-40 minutes, fresh concrete is applied on it.
For anchoring applications; Oil, moisture and adherence reducing agents must be removed from the holes. EPOX 305 should be filled into holes up to 2/3 of their depths by using mortar gun and iron should be placed in the hole by rotating clockwise. After that the mortar must overflow from the edges, otherwise, more mortar should be added in to the hole. In vertical anchorage applications at least 6 mm larger diameter drill bit than reinforcement should be used to open holes at desired depth. Holes should be cleaned appropriately and anchoring bars should be placed by turning.
For general purpose bonding applications; EPOX 305 should be applied to each of the parts to be glued. Then the parts should be bonded to each other by pressing them. Do not move them until they are completely dry.
The mixture must be consumed within 30 minutes; later it cannot be applied due to jelling. Fully curing is done minimum 7 days. Application temperature should be between + 10°C to + 30°C. It is not recommended to apply on frost, windy and rainy days.

Consumption
1,45 kg/m²/mm

Package
A component: 3,75 kg + B component: 1,25 kg = 5 kg set

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You can download product TDS from our web site.

EPOX 305 TX

Epoxy Based, Two Component, Solvent-Free, Thixotropic, Anchoring and Adhesive Mortar

Description
EPOX 305 TX is epoxy based, two component, solvent-free, thixotropic, anchoring and adhesive mortar.

Fields of Application
- Fastening iron of masonry structure on concrete.
- To stabilize handrails, guardrails, machine, studs.
- To stabilize windows and doors.
- To bond ceramic tiles, granites on surfaces.
- Used as adhesive mortar for bonding metal parts to the surface.

Features and Benefits
- Has excellent adhesion property.
- High mechanical and chemical strength.
- Solvent-free.
- Has high load carrying capacity.
- Does not affect instant temperature changes.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Cracks and pores must be repaired with suitable repair mortar. Metal surface must be clean off rust.

Application Method
Component A and B is stirred separately under low speed mixer, then Component B is slowly poured into Component A under the low speed mixer and continue mixing until obtaining a homogenous mixture without any agglomerate (approximately 3-4 minutes).
For anchoring applications; Oil, moisture and adherence reducing agents must be removed from the holes. EPOX 305 TX should be filled into holes up to 2/3 of their depths by using mortar gun and iron should be placed in the hole by rotating clockwise. After that the mortar must overflow from the edges, otherwise, more mortar should be added in to the hole. In vertical anchorage applications at least 6 mm larger diameter drill bit than reinforcement should be used to open holes at desired depth. Holes should be cleaned appropriately and anchoring bars should be placed by turning.
For general purpose bonding applications; EPOX 305 TX should be applied to each of the parts to be glued. Then the parts should be bonded to each other by pressing them. Do not move them until they are completely dry. The mixture must be consumed within 30 minutes; later it cannot be applied due to jelling. Fully curing is done minimum 7 days. Application temperature should be between + 10°C to + 30°C. It is not recommended to apply on frost, windy and rainy days.

Consumption
1,50 kg/m^2/mm

Package
A component: 3,75 kg + B component: 1,25 kg = 5 kg set

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CONSTRUCTION CHEMICALS

You can download product TDS from our web site.

EPOX 306

Epoxy Based Anchorage, Repair and Levelling Paste

Description
EPOX 306 is an epoxy based, two component, solvent-free anchorage, repair and levelling paste.

Fields of Application
- Used to anchor the connecting rods of new columns, beams and similar construction elements.
- To installation of the machine and crane rails,
- Used as chemical anchors to build highway barrier, bridge parapet, carrier plate steel bars.

Features and Benefits
- Excellent adhesion on concrete, natural stone, granite.
- Cures quickly.
- Easy to apply.

Application Procedure
Preparation of Substrate
First, holes or channels must be drilled into the existing concrete. Dust in these holes or channels must be removed.

Application Method
A static mixer is mounted on the tip of the 2C cartridge, which is placed into a special pistol for application. Before an anchorage, fixture or repair job, a hole or channel must be opened on the surface. After the dust is removed, they can be filled with EPOX 306, before placing rebars in these holes or channels. When EPOX 306 is cured, fresh concrete can be poured into the mould for column, beam, etc construction.

Consumption
Consumption depends on usage area.

Package
450 gr cartridge set

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You can download product TDS from our web site.

EPOX IN 25

Reinforcing Purpose, Epoxy Based Injection System

Description
EPOX IN 25, is an epoxy based, two component, without filler, injection system that fills and holds together hole and cracks of construction elements with high diffusion property.

Fields of Application
- On damaged concrete columns, beams, walls and other structural elements,
- To reinforce construction with filling the static cracks of concrete, stone and brick.

Features and Benefits
- High diffusion ability due to the low viscosity.
- Provides excellent adhesion with filling the holes on system without losing volume.
- Can be injected into humid concrete.

Application Procedure
Preparation of Substrate
Cracks, which became apparent on the surface should be opened with a handheld grinder in a reverse cone shape with the dimensions of 5-10 mm in width and 10-12 mm in depth. Dust and other contaminants must be removed with pressurized air.

Application Method
Packers help EPOX IN 25 epoxy resin to penetrate into the cracks throughout the concrete. Packers are inserted into the holes with a drill. In both ways, EPOX IN 25 is injected into the packers through the nozzles. Usually drill packers are used. Injection operation is done with special pumps (with single or double heads). EPOX IN 25 should be used with a single headed pump, if applied quickly. Otherwise a double headed pump is necessary. The operation pressure shouldn't exceed 5 bars. Usually when injection starts through one packer, it continues till EPOX IN 25 comes out of from the closest packer or packers. EPOX IN 25 (epoxy resin) doesn't move on with the help of pump pressure, it moves with own pressure throughout capillary veins.

Consumption
Consumption depends on usage area.

Package
A component: 6,67 kg + B component: 3,33 kg = 10 kg set

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You can download product TDS from our web site.

PUR IN 24

Polyurethane Based, Two Component, Injection Resin

Description
PUR IN 24 is a polyurethane based, two component injection system which reacts with water quickly and increases system's volume 10-15 times.

Fields of Application
- To stop water leakage from cavities and cracks of concrete walls and floors of tunnels, bridges, sheet piles and similar constructions.
- To insulation of cold joints,
- On water tanks and swimming pools,
- To insulation of interior basements.

Features and Benefits
- Stops water leakage on applied surface, provides water isolation.
- Fills the holes of system without lose volume.
- Safely used in moist concrete.
- Blocks negative water flow.

Application Procedure
Preparation of Substrate
Prior to the injection, the cracks to be worked on are sealed using EPOX repairing mortars. Along the course of the cracks, holes are drilled at a distance of 10 to 15 cm to each other on alternating sides of the crack. Packers are inserted into the injection holes and (if possible) injected proceeding from the bottom to the top. The diameter of the holes depends on the packers used.

Application Method
Component A and B are stirred separately under low speed mixer. Then Component B is added slowly into the Component A under low speed mixer and mixed together approximately 3-4 minutes till a homogenous mixture is obtained. PUR IN 24 is injected using a mechanical pump under low pressure. When low viscosity liquid mixture is applied, it expands rapidly and it becomes a solid foam within approximately 45 seconds.

Consumption
Consumption depends on usage area.

Package
A component: 10 kg + B component: 1 kg = 11 kg set

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You can download product TDS from our web site.

WALL CL 100

Mold (Fungus) Preventive Impregnation Primer

Description
WALL CL 100 is a single component, plastered impregnation primer to kill wall molds (fungus).

Fields of Application
WALL CL 100 is used to impregnate the walls and plasters, which are covered with molds.

Features and Benefits
- Concentrated primer, that easily applied after diluted.
- Protects the wall against mold forming microorganisms.

Application Procedure
Preparation of Substrate
Molds on the wall do not cleaned with scratching. Molds are easily spread onto fine part of the wall in dry form.

Application Method
WALL CL 100 is applied on the moldy wall with diluted water in the ratio of 1/10 and waited 10-12 hours. After this time, moldy surface should be scratched for cleaning.
Diluted WALL CL 100 is applied again on cleaned off molds wall. After 2-4 hours, paste should be applied. Then, acrylic based or another type paint should be applied on the top and process is done.

Consumption
0,150 - 0,200 kg/m^2 for one layer with water thinning.

Package
Packages of 1 kg and 5 kg are available

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Complementary Products

GEOTEXTILE

Non-Woven Polyester and Polypropylene 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 freguency 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.

Application Procedure
Application Method
GEOTEXTILE must be applied on ready surface tighly 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
Weigth : 100 to 1200 gr/m^2
Length : 25 m or more
Color : White, black, grey, mixing color

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You can download product TDS from our web site.

DRAIN-B

HDPE Based, Protective Drainage Board

Description
DRAIN-B is 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 Benefits
- 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.

Application Procedure
Application Method
DRAIN-B is inserted as 15 cm above from the waterproofing layer and bubbles it has faced with application surface. DRAIN-B 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 montage. At least 20 cm overlapping and additional fastening equipment is need on the plate joint areas.

Package
2m x 20m roll

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You can download product TDS from our web site.

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

- It resistances for high water pressure.
- East to apply.
- There are many sizes and types of PVC WATERSTOP for many application details.

Package

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	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									

You can download product TDS from our web site.

PROFILE AL

Aluminum Based, Isolation Pressure Profile

Description
This is an isolation pressure profile that used for drainage protection board in waterproofing applications. It can be produced as all sizes.

B-ROD

Backer Rod for Joints

Description
B-ROD is a backer rod for joints that produced with polyethylene.

Fields of Application
- It is used for waterproofing sealants in joints and dilatations.
- It is used as filler in the joint of between doors, windows and walls.

Features and Benefits
- Elastic and compressed easily.
- Waterproof and water impermeable.
- Odourless.
- Decreases consumption of sealants in the joints.

Application Procedure
Application Method
Easy to apply. Backing rod must be 30% more thick than width of joint and it should be placed into the joint by compressing. Then, surface is coated with sealants as polyurethane, polysulphide, acrylic etc.

Package
Diameter of B-ROD is from 6 mm to 100 mm.

You can download product TDS from our web site.

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FIBER

Concrete Reinforcement Fiber

Description
FIBER is a polymer based product, consists of polypropylene fiber that disperses homogeneously into the concrete mixture to reduce shrinkage and settlement cracks, improve freeze-thaw performance, fire, abrasion and impact resistance.

Uses
- FIBER is a universal product that is used on concrete, screed, precast concrete elements and plaster mortars.
- On precast tunnel elements as a passive fire protection.
- On cement based mortars for repairing, plastering, grading and isolation.
- On concrete of parking areas and ramps.
- On field concrete.
- On thermal stress exposed concrete.

Advantages
- Significantly reduces shrinkage and settlement cracks of concrete.
- Improves the adherence on mortars.
- Provides passive fire protection at high temperatures and on fire risk concrete elements.
- Serves as micro-reinforcement when mixed to dry mortars and premixed products.
- Improves fracture and spalling resistance of the joint edges and corners.
- Reduce concrete permeability because prevents formation of capillary zone on concrete.
- Resistant to alkali and acid.
- Improves freeze-thaw resistance of the concrete.

Consumption
0,450 - 1,200 kg/m^2

Package
Length of fibers 6/12/18/24 mm in 600 g or 900 g packs

You can download product TDS from our web site.

B-SELF TAPE AL

Bitumen Based, Self Adhesive, Waterproofing Tape

Description
B-SELF TAPE AL is a bitumen based, cold applicable, one side coated with aluminum foil or colored mineral, other side is adhesive waterproofing tape.

Fields of Application
It provides waterproofing with adhering on different substrates such as wood, metal, glass, plaster, concrete etc.

Advantages
- Aluminum foil and mineral coated top surface provides UV resistance.
- Applied easily even though inclined surface because of elasticity.
- Convenient with bituminous system.
- Self adhesive.
- Easy to applied.
- Applicable on wide range substrates.

Application Procedure
Preparation of Substrate
Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. High absorbent surfaces such as concrete, plaster, chipboard must be primed with B PR 101 bituminous based primer.

Application Method
Peel the removable film layer of B-SELF TAPE AL and pressed firmly sticky surface on substrate. Tape should be fully contact with the substrate by pressing its every point on application surface.

Package
Width: 10-15-20-30-60 cm
Length: 10 m

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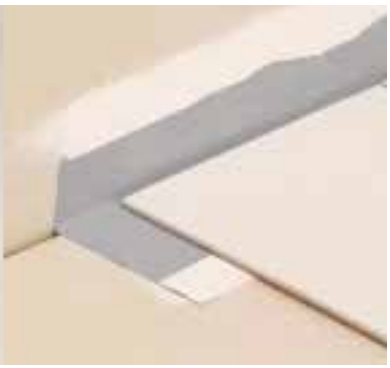
You can download product TDS from our web site.

PH 127 K

Waterproofing Tape with Non-woven



Description
PH 127 K is a TPE based with special coated non-woven, waterproofing elastic tape to use on joints and corners: flexible in the crosswise, solid in the lengthwise and thermoplastic in the middle.
Substrate: Polypropylene non-woven, for perfect bonding to all kinds of adhesives and liquid sealings
Coating: Thermoplastic elastomere, resistant to ageing

Fields of Application
- Used in bathrooms, kitchens, toilets, terraces and balconies, under ceramic applications and wall/floor joints.
- To repair cracks in pools, corner interactions and dilatations.
- On reinforced concrete or corners of pre-cast roof gutters and joints.
- To repair cracks in plaster and screed.

Features and Benefits
- Easy to apply.
- High water and thermal resistance.
- Highly resistant to laceration.
- Protects its elasticity in thermal differences.

Application Procedure
Application Method
After applying the waterproofing materials first coat PH 127 K's side flanks placed on the surface while the surface is still wet. Tape lightly pressed with trowel or brush into waterproofing material. While applying second coat, tape should be covered up with waterproofing material. Avoid the contact of waterproofing material from tape's rubber part.

Package
Width: 120 mm
Length: 50 m/roll

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PH 127

Waterproofing Tape with Fabric

Description
PH 127 is a TPE based waterproofing elastic tape to use on joints and corners, special coated knit fabric: Extension in cross direction and rigid lengthwise, thin.
Substrate: Modified polyester knit fabric
Coating: Thermoplastic elastomer, resistant to ageing

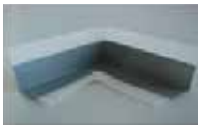
Fields of Application
- Used in bathrooms, kitchens, toilets, terraces and balconies, under ceramic applications and wall/floor joints.
- To repair cracks in pools, corner interactions and dilatations.
- On reinforced concrete or corners of pre-cast roof gutters and joints.
- To repair cracks in plaster and screed.

Features and Benefits
- Easy to apply.
- High water and thermal resistance.
- Highly resistant to laceration.
- Protects its elasticity in thermal differences.

Application Procedure
Application Method
After applying the waterproofing materials, first coat PH 127's side flanks placed on the surface while the surface is still wet. Tape lightly pressed with trowel or brush into waterproofing material. While applying second coat, tape should be covered up with waterproofing material. Avoid the contact of waterproofing material from tape's rubber part.

Package
Width : 120 mm
Length : 50 m/roll

PH 127
Waterproofing Tape



PH 128
Interior Corner Tape

PH 129
Exterior Corner Tape

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PH SELF

Butyl Rubber Based, Self Adhesive Tape

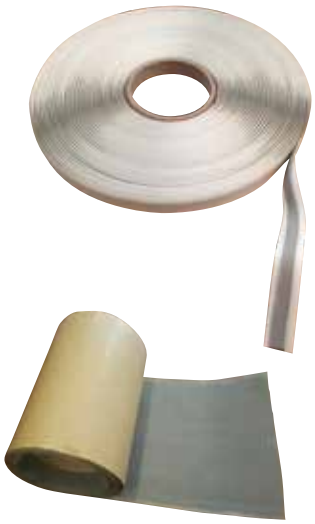
Description
It is a butyl rubber based self adhesive tape that can be produced one side or both side with adhesive. PH SELF with one side coated non-woven: rigid in main direction, thin, high tenacity. Butyl rubber tape with release liner with overlaps for easy removal. The non-woven allows a good cementability with common tile adhesives or sealants, structure embossing.

Fields of Application
It is used with tiles or natural stones for waterproofing of expansion joints, wet areas, corners of indoor or outdoor, waterproofing for joints etc.

Application Procedure
Preparation of Substrate
The application surface should be without dust, rust, dirt, grease and oil and the loose parts should be scrapped out.

Application Method
Joint sealing tape to be applied with tiles or natural stones for flexible waterproofing of expansion joints. Suitable for indoor application for medium loads of non-pressurized water.

Package
Thickness : from 1 mm to 3 mm
Width : from 25 mm to 150 mm
Length : 10 m, 25 m or 25 m



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LDPE MEMBRANE

Root Inhibitive Foil

Description
It is manufactured of low density polyethylene that used protect the not subjected to hydrostatic pressure concrete against to plant roots with creating a resilient cover in black color. It can be produced from 200 micron to 500 micron thickness.

Fields of Application
It is a multi-purposes material that is used to prevent any damage to the insulation of green roofs caused by plant and tree roots. Furthermore, it can be used as a layer between two concrete sections to prevent the vapor permeability.

Features and Benefits
- Prevents any damage that may be caused by plant roots to the insulation
- Can be used between two concrete layers preventing the humidity and vapor from underneath to penetrate the structure above.

Package
Width : 4m
Length : 25 m
Another sizes are available.

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