

CHIMEX 227

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

Description

Cement and acrylic based, two component, resistant to positive and negative water pressure waterproofing material with capillary effect.

Fields of Application

- Indoor and outdoor for horizontal and vertical applications,
- Wet areas such as bathroom, kitchen, balcony,
- Foundation wall water insulation,
- Water tanks and swimming pools,
- Potable water tanks,
- Elevator pits,
- Isolation of flower garden areas,
- Irrigation channels, manholes, concrete pipes,
- To protect concrete from water, carbonation and salts.
- Facilities such as spa and hammams.

Features and Benefits

- Resistant to negative and positive water pressure. 4 bars for negative, 7 bars for positive pressure.
- High durability.
- Has capillary effect.
- Provides long working time.
- Does not shrink and crack.
- Water vapor permeable.
- High adhesion performance.
- Has high freeze-thaw stability.
- Safely used in potable water tanks.

Technical Data

Content	Component A: Polymer modified additives and special cement Component B: Copolymer acrylic dispersion
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Color	Grey
Mixing	25 kg A component : 2 kg B component; 5-5,5 L water
Mixture Density	1,98 g/cm ³
Adhesion Strength	≥1,50 N/mm ² (28 days)
Resistance to Pressurized Water	4 bars negative / 7 bars positive
Water Vapor Permeability	86-120 H ₂ O
Maturity Period	3-5 minutes
Pot Life	45 minutes
Application Temperature	+5°C to +25°C
Service Temperature	-20°C to +80°C
Application Tools	Brush / Spray Machine
Drying Time	
<i>Mechanical Strength</i>	2 days
<i>Water Impermeability</i>	7 days
<i>Final Strength</i>	14 days
HS Code	3824.99.70.00.00

Application Procedure

Preparation of Substrate

Application substrate must be 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 and 5-5,5 L water poured into mixing container and slowly added powder Part A. 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 227** mixture is applied by brush or spray machine as two or three layers. Brush application

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direction in each layer must be perpendicular to each other. The surface must be protected from direct sunlight and prevented from drying quickly. It is recommended to use a mesh between the layers. Using mesh increases the reinforcing properties of the product.

Consumption

1,20 - 1,3 kg/m² is applied for each layer. Recommended at least 2 coats application. If needed high protection, 3 coats application can be applied. Maximum application wet thickness is 1,3 mm for each coats.

Packaging

27 kg set

Powder A component: 25 kg kraft bag / Liquid B component: 2 kg plastic drum

Shelf Life

12 months in original, unopened package.

Storage

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

Cleanup Information

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

Cautions / Limitations

- After application, material must be protected from losing its water rapidly
- Do not apply in freezing conditions or during precipitation.
- Protect the surface from direct sun light, wind, frost or rain in 24 hours
- Do not use when air and surface temperatures are below +5°C and above +30°C.
- It may be harmful with skin contact.
- Avoid heavy traffic for 24 hours.

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Health and Safety

Warning! Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

Limited Warranty: This product is subject to a written limited warranty which can be obtained free of charge from BAUMERK Company. Please contact with technical service department for further information and support.