

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 hammams,
- To protect concrete from water, carbonation and salts.

Features and Benefits

- Resistant to negative and positive water pressure.
- Elastic, does 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 vapor 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.

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Technical Data

Content	Component A: Polymer modified additives and special cement Component B: Copolymer acrylic dispersion
Color	Grey, White
Mixing	25 kg A component : 10 kg B component
Mixture Density	1,44 g/cm ³
Adhesion Strength	≥1,00 N/mm ² (28 days)
Resistance to Pressurized Water	1 bar negative / 1,50 bars positive
Capillary Water Absorption	≤0,10 g (after 4 hours) (TS EN 12808-5)
Maturity Period	3-5 minutes
Application Temperature	+5°C to +30°C
Service Temperature	-20°C to +80°C
Application Tools	Brush / Trowel
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 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.

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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.

Consumption

1,25 - 1,5 kg/m² is applied for each layer. Recommended at least 2 coats application. If needed high protection, 3 coats application can be applied.

Packaging

35 kg set

Powder A component: 25 kg kraft bag / Liquid B component: 10 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.

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Cautions / Limitations

- After application, material must be protected from losing its water rapidly
- For the applications in hot and windy environment, only for the first coat, extra mixing water can be added without exceeding 10% of the Part B.
- 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.

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.