

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 vapor permeable.
- Easy to apply
- Long working time
- Resistant to chemicals and salt solutions in soil.

Technical Data

Content	Component A: Polymer modified admixture and special cement
Color	Component B: Copolymer acrylic dispersion Gray
Mixing	20 kg A component : 5 kg B component
Mixture Density	1,90 g/cm ³
Adhesion Strength	≥1,50 N/mm ² (28 days)
Resistance to Pressurized Water	2 bars positive
Capillary Water Absorption	<0,10 g (after 4 hours) (TS EN 12808-5)

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Usage Period	2 hours
Maturity Period	3-5 minutes
Application Temperature	+5°C to +25°C
Service Temperature	-20°C to +80°C
Application Tools	Brush
Drying Time	
<i>Mechanical Strength</i>	2 days
<i>Water Impermeability</i>	7 days
<i>Topcoated by plaster/ceramic</i>	3 days
<i>Final Strength</i>	14 days
HS Code	3824.99.70.00.00

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.

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Consumption

For each layer, approximately 1,0 - 1,5 kg/m² mixture is used. Recommended at least 2 coats application, if needed 3 coats might be applied. Product should be applied as maximum 2 mm wet film thickness in single layer.

Packaging

25 kg set

Powder A component: 20 kg kraft bag / Liquid B component: 5 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

- It may be harmful with skin contact.
- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +5°C and above +25°C.
- The surfaces that will be walked on have to be coated by grout or ceramic.

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.

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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.

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1020-CPR-040 051768 DOP NO: 01504-201 EN 1504-2:2004 CHIMEX 125 Çimento-Akrilik Esaslı, Çift Komponentli, Yarı Elastik Su Yalıtım Malzemesi Kaplama Uygulaması 2.2/8.2 Cement-Acrylic Based, Two Component, Semi-Elastic Waterproofing Material Coating Application 2.2/8.2	
Water-vapour permeability Su Buharı Geçirgenliği	Sınıf I/Class I $s_D < 5 \text{ m}$
Capillary Water Absorption and Water Permeability Kapiler Su Emme Ve Su Geçirgenliği	$w < 0,1 \text{ kg/m}^2 \cdot \text{h}_0,5$
Measurements of bond strength by pull- off Çekip koparma deneyi yoluyla yapışma dayanımı	$\geq 1 \text{ N/mm}^2$
Response to Fire Yangına Tepki	B s1 d0
Dangerous materials Tehlikeli Maddeler	In accordance with clause 5.3 Madde 5.3e uygun