

ISOGREEN ELASTISCH



DESCRIPTION

Is a two-component cement-and-polymer-based coating for elastic waterproofing. In compliance with EN 1504-2.

CHARACTERISTICS

Two-component coating;

- Resistant to positive and negative hydrostatic pressure;
- Bridges the micro-cracks;
- Elastic;
- Economical;
- Non-toxic;
- Does not contain chlorides;
- Enables direct application of ceramic tiles with building adhesives;
- Resistant to bacteria;
- Easy to apply;
- Excellent adhesion to substrate;
- Possibility for application on a moist substrate.

RECOMMENDATIONS FOR USE

For waterproofing of buildings exposed to positive and negative hydrostatic pressure: pools, settling tanks, water treatment plants, basement wall and floor surfaces, reservoirs, canals, concrete pipes, manholes, balconies, sanitary sewers, kitchens, laundry rooms, embedded concrete elements, etc.

TECHNICAL DATA

	Comp. A	Comp. B
Consistenza:	Powder	Liquid
Colour:	Green	White
Bulk density (g/cm³):	1.4	-
Density (g/cm³):	-	1.1
Solid content (%):	100	50
Colour of the mixture A+B:	Green	
Mixing ratio:	1 A : 1 B	
Consistency:	Liquid paste	
Bulk density of fresh mortar (Kg/m³):	1,700	
Application temperature:	from +8°C up to +35°C	
Pot life:	1 hours	
Adhesion strength on concrete:		
• Normal condition:	1,6 MPa	
• After freeze-thaw cycles:	1,3 MPa	
• Water immersion:	1,8 MPa	
Elasticity:		
• After 28 days:	45	
• Static Crack bridging in -20°C:	0.9 mm	
• Dynamic crack bridging ne -20°C:	0.6 mm	
Vapour permeability EN ISO 7783-1:	class I: SD < 5 m	

SURFACE PREPARATION

ISOGREEN ELASTISCH should be applied on concrete, cement mortar, stone or gypsum cardboard panels. The substrate should be sound, clean, and free of grease and dust, without segregated spots and cracks. If the substrate has segregated spots and cracks, they should be repaired by applying GP REPAIR (Repairing mortar). The most appropriate method for cleaning the substrate is to apply water under pressure. If the substrate that is being insulated has flowing water, it should be stopped by applying WASSERSTOP. The presence of moisture on the substrate does not affect the application system.

APPLICATION OF PRODUCT

The compound which is to be applied should be prepared by adding the powdery (A) component to the liquid (B) component with continuous mixing (by using a mechanical mixer with 300-500 revolutions per minute). The mixing should continue until reaching complete homogenization of the compound. The compound should be applied by using brushes (120 mm-200 mm wide) or roller brushes in two or three layers. Every next layer should be applied in normal direction on the previously applied dry layer. The time period between the applications of the layers should amount to 6 - 24 hours depending on the temperature. The total thickness of the three layers should amount to approximately 1.0 - 2.0 mm. Treated surfaces should be protected against rain, strong draught and ice for a period of at least 48 hours. When applying the waterproofing, the temperature should be between 10°C and 35°C.

PACKAGING

5Kg (comp. A) and 5Kg (comp. B) plastic buckets

CONSUMPTION

1.0 Kg / m² per layer

STORAGE

24 month if stored in original closed packaging, in dry premises, at a temperature between 10°C and 30°C, protected from direct exposure to sunlight.

HEALTH AND SAFETY INFORMATION

Keep out of reach of children. In case of contact with the eyes or swallowing, please seek medical advice immediately and show the contents of the container. Do not dispose the product into drains.

