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χρόνια

σεβασμό στον μάστορα

δομικά υλικά

construction materials

Technical Specifications

Date of issue: 13/11/2015

Version Number: 2nd

Atlaproof 2k elastic

Two components elastic resin-based brushable sealing slurry.



product for waterproofing surfaces subject to vibration, considerable expansion - contraction as well as surfaces susceptible to capillary cracks such as rooftops, balconies, swimming pools, raised tanks etc. Also recommended for interior or exterior sealing of basements, for their protection against humidity or pressurized water.

Surface preparation

Surfaces shall be firm and clean, free from loose materials, form release agents, salts, dust etc. Any leakage must be sealed using ultra quick setting repair cement Atlaproof quick fix or using the same product (Atlaproof 2k elastic) prepared in thicker mix. Any concrete pockets, holes or cracks must be filled and sealed using cement mortar reinforced by Fiber Reinforced Construction Resin & Mortar Elastifying Agent Atlaplus fiber flex. Surfaces shall be thoroughly wetted prior to application, avoiding stagnant water.

Mixture preparation

ATLAProof 2K elastic is ready for use after simply mixing its 2 components. Add 25kg. mortar (1 bag), to 10kg. of polymer dispersion (for the package of 35kg.) or 5kg. mortar to 2kg. of polymer dispersion (for the package of 7kg.), continuously stirring with a power drill at low speed. The produced mix shall be homogenous with good workability. The ready mix can be used within 60 minutes (depending on ambient conditions, temperature or humidity).

Application

Atlaproof 2k elastic can be applied by emulsion brush or standard brush in 2 or more coats, depending on the stress exerted to surfaces. To avoid excessive surface cracking, avoid product application in coats thicker than 1,5 mm. Each new coat must be applied on top of the previous dry coat. Apply the product under temperatures between 5°C and 30°C. Protect fresh coated surfaces against freezing, rain or high temperatures. At joints, indoor corners and generally locations where Atlaproof 2k elastic must be reinforced, use polyester cloth tape or glass mesh.

Description-Properties

Cement based brushable elastic mortar. Suitable for sealing interior or exterior building surfaces made of concrete, plaster, brickwork, cement blocks, inlay work, plaster board, wood or metal and more. Ready for use by simply mixing two components: powder and polymer dispersion. It creates an elastic, water impermeable, solid waterproofing membrane that can handle surface expansion - contraction and vibration without cracking. Ensures excellent waterproofing against partial, seasonal or permanent humidity, even where surfaces are subject to pressurized water (up to 7 atm as per DIN 1048). Allows strong adhesion even on damp surfaces without priming necessary. Being steam permeable, it is recommended for use even on potable water tanks as well as surfaces intended for contact with edible products. Atlaproof 2k elastic can seal capillary or minor cracks and prevent their recovery, also it can fill through fissures. It is a hypoallergenic product, can be easily applied and provides a cost-effective solution for the safe waterproofing of surfaces that require protection against humidity and water.

Scope of application

Can be applied to all building surfaces, indoor or outdoor, vertical or horizontal, made of concrete, plaster, brickwork, cement blocks, wood, metal or mosaic and others. Offering high elasticity, combined with excellent adhesion to the substrate, Atlaproof 2k elastic is an ideal



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Colors

Available in white powder and white emulsion.

Consumption

Approximately 1,3 Kg/m² for a 1mm thick coat. Consumption rate depends upon proper preparation and the type of application surface, as well as the adverse effect of water.

SERVICE CONDITIONS	MINIMUM CONSUMPTION	MINIMUM THICKNESS
Humidity	2,0 Kg./m ²	Approximately 1,5 mm
Non pressurized water	3,0 Kg./m ²	Approximately 2,0 mm
Pressurized water	3,5 - 4,0 Kg./m ²	Approximately 2,5 mm

Technical Characteristics

Adhesion strength:	≥ 1.0 N/mm ² (EN 1542)
Elasticity (DIN 53504):	37%
Compressive strength after 28 days:	11.50 ± 2.50 N/mm ² (EN 12190)
Flexural strength after 28 days:	7.65 ± 1.50 N/mm ² (EN 12190)
Permeability to CO ₂ : (EN 1062-6)	130 m
Capillary absorption and permeability to water: (EN 1062-3)	0.011 kg/m ² · h 0.5
Water vapor permeability: (EN ISO 7782-2, Class I: Sd < 5m)	Sd = 0.5m
Water penetration under positive hydrostatic pressure: (EN 12390-8, 3 days at 5 bar)	no penetration
Water penetration under negative hydrostatic pressure: (at 1.5 bar)	no penetration
* At 21±2°C and 60±10% RH.	
Durability against:	
• Rain:	after approx. 4 h
• Walking:	after approx. 1 day
• Tile fixing:	after approx. 1 day
• Water under pressure:	after approx. 7 days

Read the label before use. For detailed instructions - precautions, consult the Product Safety Data Sheet. Poison Information Centre: (+30) 210 77 93 777.



Storage

At least 12 months after date of production provided that the product is stored in closed bags and kept in a dry area protected against moisture.

Packaging

35 kg. (25 kg. A + 10 kg. B) **14 kg.** (10 kg. A + 4 kg. B)

Safety information

The technical information and instructions supplied in this data sheet are based on our knowledge and experience. The recommendations and suggestions referring to the use of the product are provided without guarantee, since site conditions during the application are beyond the control of our company. Therefore the user is responsible for confirming that the chosen product is suitable for the envisaged application. Our company designs and produces products intended to satisfy your needs. Please do not hesitate to contact us, if you encounter any technical problem.

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