

eile LATEX

Waterproofing Additive for Cement-Based Mortars and Plasters

Description

It is an acrylic resin emulsion that improves the waterproofing and adhesion properties of cement-based mortar.

Ministry of Environment and Urbanization Specification
No: 10.300.2001

Application Areas

Used in repair mortars; to improve adhesion and waterproofing for the repair of damaged surfaces of cement-based screeds, concrete, and plasters, For walls, ceilings, and all types of interior and exterior plasters to provide waterproofing, In screeds, to prevent cracking, increase adhesion, and improve waterproofing, Used as an adhesion and strength enhancer in tile adhesive mortars for materials such as ceramics.

Product Features

- Provides waterproofing and flexibility.
- Mortar mixed with **eile Latex** increases resistance to cracking and abrasion; it improves bending strength and impact resistance.
- It is non-corrosive.
- Increases the resistance of structures to external factors and chemicals.
- Provides high adhesion.

Application Procedure

Surface Preparation:

Ensure the surface is solid, load-bearing, dust-free, and clean. It must be free of any residues that could weaken adhesion. There should be no loose parts on the application surface.

Application Method

For plaster mortars:

350 kg of cement is mixed dry with 1 m³ of aggregate. **eile Latex** is added to 120 liters of water at a rate of 1-1.5% of the cement weight to prepare a liquid mixture. The prepared liquid mixture is added to the dry mixture until a trowel-consistency mortar is obtained.

For use as a primer between old and new concrete and in screed applications:

The application surface should be cleaned of dust, oil, and loose particles. Mix 1 kg of cement with 3 kg of coarse sand (3 mm), 1 kg of **eile Latex**, and 2 kg of water to achieve a slurry-like consistency. Apply this mixture to the pre-moistened surface (without standing water) in a 2 mm layer. New concrete should be applied before this primer dries.

For screed making:

1 m³ of appropriate aggregate is mixed with at least 350 kg of cement. A liquid mixture prepared with 4-5 kg of Latex and 100 kg of water is added to the cement-aggregate mixture until a suitable mortar consistency is obtained. The mortar mixture is applied to the primed surface.

For concrete production:

Use a minimum of 3.5-4 kg for 1 m³ of concrete.

For repair mortars:

Mix 1 part cement with 3 parts sand. Add a liquid mixture prepared with 1 part **Latex** and 1 part water to the dry mixture. Mix until a trowel-consistency mortar is achieved.

Points to Note

- If the surface and ambient temperature is below +5 °C or above +30 °C, wait until suitable conditions for applying **eile Latex** are met.
- Do not apply on frozen, thawing, or surfaces at risk of freezing.

Technical Specifications

Structure of the material:		Modified Acrylic Emulsified Resin
Color:		White
Application		
Temperature:		+5°C +30°C
Density:		0,95-1,05 gr/cm ³
PH:		7-9

***eile* LATEX**

Packaging

Available in 30 kg plastic containers.

Storage:

Store in its original unopened packaging in a cool, dry environment. Stacking should not exceed 10 layers. Protect from frost.

Shelf Life:

12 months from the production date under specified storage conditions.

Safety Recommendations: During application, appropriate workwear, protective gloves, goggles, and masks in accordance with occupational health and safety regulations must be worn. Avoid contact with skin and eyes; if contact occurs, wash thoroughly with plenty of water. In case of ingestion, seek medical attention immediately. Store out of the reach of children. No food or drink should be kept in the areas where the application is taking place.

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