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TECHNICAL DATA SHEET

BE-407

Emulsion waterproof agent

DESCRIPTION

BE-407 emulsion waterproofing agent is a water-thinnable, solventless emulsion, based on a mixture of silane and siloxane. High quality **BE emulsion** waterproof agent can be applied in hydrophobic impregnating and mineral surfaces. Besides that, **BE emulsion** waterproof agent can be used for hydrophobic concrete products which are non-load bearing.

TYPICAL PROPERTIES

Appearance	Ivory liquid
Effective substance content	>30
Density (25°C) g/cm ³	0.95 -1.01
PH value	6-8

Properties

BE emulsion contains a stabilized mixture of silanes and siloxanes that are susceptible to hydrolysis. **BE emulsion** reduces the absorption of the building which it has penetrated, but does not clog pores or capillaries of building. So there is no "breath" obstacle in building materials.

Special features

- ◆ good depth of penetration
- ◆ rapid development of water repellency
- ◆ highly durable and effective beading effect
- ◆ tack-free, drying
- ◆ provides good adhesion for paints
- ◆ water-based and environmentally compatible
- ◆ stable in storage, even when diluted

USES AND APPLICATION

BE emulsion waterproof agent is an excellent water repellent for many absorbent mineral substrates, such as bricks, sand-lime brick, natural sandstone and mineral plasters. It is not

very suitable for strong absorbent and dense natural stone, especially bridges and roads which made by limestone, marble and reinforced concrete. Owing to its aqueous consistency and storage stability when diluted, **BE emulsion** is ideal for inplant impregnation of building materials made of clay, aerated concrete, sand-lime brick, fibrous cement, mineral fibers and lightweight aggregate.

BE emulsion may also serve as a water-repellent primer for emulsion paints and plasters, silicone resin emulsion paints and silicone resin plasters.

Processing

Tap water is suitable for preparing solutions of **BE emulsion** for use as facade water repellent primer. We recommend an active substance content of 5-10% (dilute the product in the ratio 1:5 to 1:11), the exact figure depending on how absorbent the substrate is.

precautions

1. Wear protective equipment when operating, if accidentally into the eyes, immediately rinse with water
2. Do contact tests for other materials that can be contacted during construction, confirm whether there are adverse effects or not
3. Before large-scale construction, a local test should be done first to confirm the effect and the best dosage

SAFETY

Before handling, read the Material Safety Data Sheet and container label for safe use, physical and health hazard information.

STORAGE AND SHELF LIFE

After sealing packaging products stored in a cool, dry place, BE-407 (Unbroken package) has a shelf life of 6 months from date of manufacture. After the expiration date, we can retest it, and if it meets the requirement, we can still use it. BE-407 is transported as non-hazardous chemicals.

PACKAGING

BE-407 is available in 200 kg/1000 kg plastic drum.

LEGAL DISCLAIMER

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