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## TECHNICAL DATA SHEET

### BE

### Emulsion waterproofing agent

#### DESCRIPTION

**BE emulsion waterproofing agent** is a water-thinnable, solventless emulsion, based on a mixture of silane and siloxane.

Dilute solutions of **BE emulsion** as high quality, general-purpose water repellents for hydrophobic impregnating and priming mineral surfaces. Mineral substrates treated with **BE emulsion** are especially characterized by an excellent beading effect.

Moreover **BE emulsion** can be used for the mass hydrophobation of non-load bearing concrete products

#### TYPICAL PROPERTIES

Appearance	Milky white liquid
Active substance	>30
Density	0.95 -1.01g/cm <sup>3</sup>

#### Properties

**BE emulsion** contains a stabilized mixture of silanes and siloxanes that are susceptible to hydrolysis. **BE emulsion** reduces the capillary absorption of the building which it has penetrated, but does not clog pores or capillaries. There is therefore little or no impairment of the building material's ability to "breathe".

#### 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**

Dilute **BE emulsion** is an excellent water repellent for many absorbent mineral substrates, such as bricks, sand-lime brick, natural sandstone and mineral plasters. It is not so suitable for less absorbent, dense natural stone, especially limestone, marble and reinforced concrete for bridges and roads. 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.

## **SAFETY**

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

## **STORAGE AND SHELF LIFE**

The "Best use before end" date of each batch is shown on the product label. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons

## **PACKAGING**

**BE emulsion waterproofing agent** is available in 200L drum and 1000L IBC or others.

## **LEGAL DISCLAIMER**

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