

KORATECT® EA8

Short description

KORATECT® EA8 is a solvent-free emulsion based on a silane / siloxane compound for the use as impregnating agent.

Product properties

Because of a special stabilisation of the emulsion **KORATECT® EA8**, a chemical reaction of the silane / siloxane-mixture occurs not until the application on mineral substrates. **KORATECT® EA8** penetrates into the building material where it reacts under formation of a water-insoluble silicone resin with elimination of ethanol. Thus the absorbance of the building material is reduced significantly without blocking its pores or having a negative impact on the breathability of the building material. Additionally, the substrate is exhibiting a pronounced beading effect. **KORATECT® EA8** is leaving a tack-free surface and is, in a sufficiently diluted form, offering good adhesion for successive coatings. Thus **KORATECT® EA8** in diluted form is suitable as a hydrophobing primer for dispersion paints and plasters or silicone resin paint and plasters. Suitable ready-to-use dilutions of **KORATECT® EA8** are also stable even over a longer storage periods.

Due to this effectiveness, **KORATECT® EA8** is primarily suited for well absorbent undergrounds such as clay bricks, concrete, lime sand stones, natural sandstones and mineral plasters. **KORATECT® EA8** is less suited for low absorbent undergrounds such as dense natural stone, lime stones or marble. **KORATECT® EA8** is particularly suitable for the factory-made equipment of the already mentioned building materials or of fibrous cement tiles, mineral fibres of light filler material.

Application

KORATECT® EA8 is solely used in diluted form. Typically good impregnating results are achieved using dilution ratios between 1:5 to 1:11 (corresponding to an active content of 5 % to 10 %). To determine the optimal dilution ratio the preparation of test areas is highly recommended. **KORATECT® EA8** may be easily diluted by using clean water.

The following precautions should be taken:

- The used equipment should be clean
- An biocide should be added in order to extent the shelf-life of diluted preparations
- The water hardness should not exceed 20 °dH
- Fill a clean container with clean water and then pour in **KORATECT® EA8**
- The formation of foam has to be avoided
- High shear stress has to be avoided during pumping

The formation of gel particles are product specific. Responsible for this is the pearling additive. The effectiveness of **KORATECT® EA8** is not affected negatively. The amount of gel particles can be minimized by using a 100 µm gauze. If you can waive the pearling, we would like to draw your attention to **KORATECT® EA8** which also leads to a very good impregnation.

The diluted product can be applied with the usual procedures. However, the flooding method has proven most effective in practice. In order to avoid surface defects, a second coat should be applied while the first is still wet. An after-treatment of the surfaces is possible without any difficulties.

Freshly treated surfaces have to be protected from rain. If raining starts, the application of **KORATECT® EA8** should be ceased.

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Technical data*

Appearance	: milky, white
Active substance content in % (w/w)	: approx. 50
Density at 25 °C in g/cm ³	: approx. 0.95
Viscosity at 25°C in mPa·s	: approx. 12

Storage

KORATECT® EA8 has a shelf life of **12** months after date of manufacturing when correctly stored in its original unopened container at storage temperatures between **+5 °C** and **+40 °C**. The containers must be protected from frost and against sunlight.

Storage beyond to the period indicated on the product label does not automatically mean that the product is unusable. However, an inspection of the property values necessary for the intended use is essential due to quality assurance reasons.

Further information on product safety and handling is given in the Material Safety Data Sheet.

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*Informative properties not intended to be used as product specification

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