

KORATECT® EA3

Short description	KORATECT® EA3 is a water-thinnable, solventless emulsion, based on a mixture of silane and siloxane.	
Product properties	Diluted solutions of KORATECT® EA3 can be used as high quality, general-purpose water repellents for impregnating and priming mineral surfaces. KORATECT® EA3 can be combined with polymer based primers for substrate consolidation. In addition, KORATECT® EA3 is suitable for mass hydrophobization.	
	KORATECT® EA3 emulsion contains a stabilized mixture of silanes and siloxanes that are susceptible to hydrolysis. Hydrolysis takes place only after application to the substrate. Ethanol is released and the emulsion converts into a silicone resin water repellent. KORATECT® EA3 reduces the capillary absorption of the building which it has penetrated, but does not clog pores or capillaries. Therefore only little or no impairment of the building material's ability to "breathe" occurs.	
	Features:	
	<ul style="list-style-type: none">- good depth of penetration- resistance to alkalis- rapid development of water repellency- provides good adhesion for paints- water-based and environmentally compatible- stable in storage, even when diluted	
Application	Dilute KORATECT® EA3 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 or none absorbent dense natural stone, especially limestone, marble and reinforced concrete for bridges and roads. Due to its aqueous consistency and storage stability when diluted, KORATECT® EA3 is ideal for in-plant impregnation of building materials made of clay, aerated concrete, sand-lime brick, fibrous cement, mineral fibers and lightweight aggregate. KORATECT® EA3 may also serve as a water-repellent primer for emulsion paints and plasters, silicone resin emulsion paints and silicone resin plasters as well as for concrete coatings. We advise to lay out a test area before the final application in order to determine any surface changes.	
	To dilute KORATECT® EA3 for use as facade water repellent primer, tap water is suitable. We recommend an active content of 5% to 10% (dilute the product in the ratio 1:4 to 1:9), the exact value depends on how absorbent the substrate is. Apply the ready-to-use solution in the usual way; flooding is the preferred way. Two "wet on wet" coats are needed to ensure complete coverage. If it starts to rain, stop treatment and cover the impregnated areas.	
	For mass hydrophobization, we recommend 0.5 % (w/w) KORATECT® EA3 by weight of cement.	
Product data*	Appearance	: milky, white
	Active substance content in % (w/w)	: approx. 50
	Viscosity at 25 °C in mPa•s	: approx. 12
	Density at 20 °C in g/mL	: 0.95

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Storage

KORATECT® EA3 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**.

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.

This information and our technical advice – whether verbal, in writing or by way of trials – are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with our General Conditions of Sale and Delivery; this is not valid for our trial products

*Informative properties not intended to be used as product specification

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