

KORATECT® SL 12

Brief description **KORATECT® SL 12** is a special mixture of isomeric octyltriethoxysilanes with iso-octyltriethoxysilane as main component.

Product properties **KORATECT® SL 12** is suitable for mass hydrophobization of large concrete volumes. The use of **KORATECT® SL 12** leads to a significant reduction of efflorescence in combination with a significant reduction of water and chloride adsorption. Furthermore the freeze-thaw resistance is improved. Under favourable conditions even the growth of moss or algae on the concrete surface is lowered significantly. The pores of the building material are not blocked by **KORATECT® SL 12** and the appearance of the surface is usually not affected.

Application **KORATECT® SL 12** can be directly added to the dry concrete mixture e. g. by spraying. In this way a complete permeation of the concrete with the impregnating agent can be achieved, leading to an even better long term durability. Furthermore a costly and time consuming after-treatment can be avoided.

The dosage should be in range of 0.2 % (w/w) and can be used as start-up value but the dosage should be determined by individual tests. The dosage is given with reference to the weight of cement of the concrete mixture.

	Aircontent in V-%	Water absorption in %		Compressive Strength _{cube} in %
		7 days	28 days	
untreated	1.15	100	100	100
KORATECT® SL 12 0,2 % ¹	1.0	31	46	87

^[1] Addition by weight of cement

Product information*

Appearance	: Clear, colourless
Active substance content in % (w/w)	: Approx. 99
Density at 20 °C in g/cm ³	: Approx. 0.88
Viscosity at 25 °C in mPa•s	: Approx. 1.9

Storage **KORATECT® SL 12** 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 direct sunlight and the product stirred well before decanting.

If the product is stored for longer than the date or period specified on the label, it does not necessarily mean that the product is unfit for use. In this case a review of the property values required for the intended use is essential for reasons of quality assurance.

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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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