

KORATECT® SL 4

Brief description KORATECT® SL 4 is based on n-octyltriethoxysilane as main component.

Product properties Undiluted, KORATECT® SL 4 is suitable both as a water-repellent primer and for waterproofing concrete and reinforced concrete. KORATECT® SL 4 has excellent alkaline stability, low volatility and excellent penetration properties. By using KORATECT® SL 4 as treatment, the chloride and water absorption of the building material is reduced significantly, but with maintaining sufficient water vapour permeability. The pores of the building material are not blocked by KORATECT® SL 4 and the appearance of the surface is usually not affected. The freeze-thaw resistance of concrete is significantly improved by the treatment with KORATECT® SL 4. Because the product reacts through its reaction with the residual moisture from the building material or with the humidity with elimination of ethanol, it must not be used indoors and the product containers must always be kept tightly sealed.

In addition, the product is suitable for mass waterproofing of large concrete volumes. Please refer to the separate data sheet for this application.

Finishing KORATECT® SL 4 is typically used undiluted. KORATECT® SL 4 is applied twice "wet on wet" to ensure an adequate protective effect, for example, by using airless spray equipment. Alternatively, methods such as rolling, flow coating, brushing, etc. can be used. Basically, the application must be done in such a way that flaws in the treated area can be avoided; if necessary, the area can be reworked with a roller to achieve a more uniform distribution of the product. Concrete surfaces should usually be impregnated 4 weeks after production (at the earliest after 2 weeks) in order not to disturb the setting process of the cement. The concrete surfaces to be treated should be uniformly dry and cleaned of dust and loose particles sticking to it. Weathered or soiled surfaces may require treatment with superheated steam. Protect freshly impregnated surfaces from rain; impregnation during rain is not advisable.

KORATECT® SL 4 should not come into direct contact with bitumen. The resistance of insulation against KORATECT® SL 4 must be checked in each particular case depending on the temperature.

Product information*	Appearance	: clear, colourless
	Active substance content in % (w/w)	: approx. 99
	Density at 20 °C in g/cm ³	: approx. 0.90
	Viscosity at 25 °C in mm ² /s	: approx. 1.9

Storage KORATECT® SL 4 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.

KORATECT® SL 4

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

**Kurt Obermeier GmbH, Berghäuser Str. 70, D-57319 Bad Berleburg Tel.: +49 (0) 2751/524-0,
Fax.: +49 (0) 2751/5041, email: info@obermeier.de www.obermeier.de**