

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:	Approx. 99 wt%
	Density at 20 °C:	Approx. 0.90 g/ml
	Viscosity at 25 °C:	Approx. 1.9 mm ² /s

Shelf life Sealed in its original container and at storage temperatures between +0 °C and +30 °C, KORATECT® SL 4 has a shelf life of 12 months.

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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For more information on product safety and handling, please refer to the safety data sheet.

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*This information is intended as a guide and should not be used in preparing specifications

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