

KORATECT® SL 2 System

Brief description

EN 1504-2/ DIN V 18026

Products and systems for the protection and repair of concrete structures – OS 1 surface protection systems for concrete, waterproofing impregnation.



EU labelling

CE	
0921	
Kurt Obermeier GmbH & Co. KG D-57319 Bad Berleburg, Germany	
07	
0921 – BPR - 2020	
EN 1504-2	
Surface protection product	
KORATECT® SL 2	
Waterproofing impregnation	
Penetration depth	Class II: ≥ 10 mm
Water absorption and alkali resistance	Absorption coefficient < 7.5% compared with untreated sample < 10% in alkaline solution
Drying rate	Class I: > 30 %
Mass loss after freeze-thaw cyclic loading	Mass loss min. of 20 cycles later than in non-impregnated sample
Hazardous substances	Conformity with EN 1504-2, 5.3

Product properties

Undiluted, **KORATECT® SL 2** is suitable both as water-repellent primer and for waterproofing concrete and reinforced concrete. **KORATECT® SL 2** has excellent alkaline stability, low volatility and excellent penetration properties. By using **KORATECT® SL 2** 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 2** 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 2**. 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.

KORATECT® SL 2 should not come into direct contact with bitumen. The resistance of insulation against **KORATECT® SL 2** must be checked in each particular case depending on the temperature.

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Information on implementation

Acc. to DIN V 18026, Annex A

Information on implementation acc. to Sheet 1⁾

1 General	
Manufacturer	Kurt Obermeier GmbH & Co. KG
System designation	KORATECT® SL 2 System Waterproofing impregnation
2 Substances	
KORATECT SL 2	
Form of delivery	Ready-to-use, liquid
Shelf life	365 days from date of production
Storage conditions	Refer to safety data sheets
Safety/environment/ occupational safety/disposal	Refer to safety data sheets
3 Implementation	
- Preparing the substrate	Refer to repair guidelines, sections 2 and 3
- Additional requirement	None
- System structure / product name	KORATECT® SL 2
- Mixing ratio	Not applicable
- Dry film thickness min.	Not applicable, not film-forming
- Application method	Roller, brush, airless spraying, flow coating
- Film thickness addition	Not applicable, not film-forming
- Nominal dry film thickness	Not applicable, not film-forming
- Associated material consumption	0.4 kg/m ²
- Dry film thickness	Not applicable, not film-forming
- Mixing	Not applicable
- Container workability at 10 / 30 °C	Not applicable
- Temperature of the substrate / the air	5–30 °C / 5–30 °C
- Relative air humidity	Not applicable
- Moisture content of the substrate	Dry ¹⁾
- Waiting time until rainproof 10 / 30 ° C	Minimum of 24 hours
- Waiting times until next step	10 °C: 5 min. / 30 °C: 5 min.
- Waiting time until testing the impregnation quality	14 days (acc. ZTV-ING, Part 3, Section 4, Point 8.5 and Annex C)
- Weather protection / after-treatment	Cover during rain
Concrete is generally considered dry when the equilibrium moisture content of the air exhibits 23 °C / 50% RH	

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4	Characteristic values¹⁾
Volatile and non-volatile components	Not determined
Density / bulk density	0.88 g/cm ³
Flow time	Not determined
Viscosity at 10 °C / 30 °C	2.3 mPa·s / 1.5 mPa·s
Consistency	Not determined
Content of air in %	Not determined
Bulk density	Not determined

Supplementary information ZTV-ING Part 3, Section 4, Point 8.4.5 must be observed

Shelf life Sealed in its original container and at storage temperatures between +0 °C and +30 °C, **KORATECT® SL 2** 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.

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

Our technical advice whether spoken, written or through test trials is given to the best of our knowledge, is to be understood as non-binding in character and in relation to any possible industrial property rights of third parties; it is not a substitute for your, the buyer's, own tests and trials on the products supplied by us to determine whether they are suitable for the intended processes and purposes. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. In the event that a liability is nevertheless considered, any compensation will be limited to the value of the goods supplied by us and used by you. Of course, we guarantee the perfect quality of our products according to our general terms and conditions.

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

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