

PRODUCT INFORMATION

REMACOAT SEALING LAYER

PRODUCT DESCRIPTION

REMACOAT SEALING LAYER is a solvent-free two-component polymer coating based on polyurethane. The two liquid components can be processed manually and mechanically. **REMACOAT SEALING LAYER** can cover cracks up to 0.5 mm according to DIBt (German Institute for Construction Technology) guidelines.

COATING LAYERS CONSUMPTION

The coating system consists of the two-component **COROFLAKE 68 PRIMER** and at least two coats of the two-component **REMACOAT SEALING LAYER** topcoat applied at approx. 500 µm DFT per coat.

FIELDS OF APPLICATION

Due to its excellent hydrophobic and elastic properties, **REMACOAT SEALING LAYER** is excellently suitable for bridging cracks and thus preventing the penetration of liquids. Typical applications are the protection of seawater desalination plants and aeration basins in seawater FGD's.

FEATURES

- Easy Processing
- Solvent free
- Excellent chemical resistance to salt solutions, dilute non-oxidizing acids, alkalis and oils
- Very good adhesion to concrete
- Very good crack-bridging properties
- Application by spraying, brushing or rolling

CHEMICAL RESISTANCE

Information on the chemical resistance properties is available upon request.

SUBSTRATE

Substrates are components made of concrete, screed or plaster. Components to be coated shall be designed and manufactured in accordance with EN 14879-1. In addition, DIN 1045 must also be observed.

SURFACE PRE-TREATMENT

Appropriate action shall be taken to prepare the concrete surfaces; dry and free of dust and free of contaminants such as oil or grease. The concrete shall have minimum tensile strength of 1.5 N/mm² and minimum compressive strength of 25 N/mm². The residual moisture content must not exceed 4%.

ENVIRONMENTAL CONDITIONS

Throughout the coating process, the temperatures of the substrate and coating materials shall be maintained within the range specified by TIP TOP. All surfaces shall be maintained at a temperature at least 3K above the dew point in order to prevent condensation.

APPLICATION

During the application of the product, the application instruction must always be observed.

REMACOAT SEALING LAYER topcoat is applied to the substrate using an airless air spray system or by rolling or brushing.

In case **REMACOAT SEALING LAYER** is applied by brushing or rolling, additional coats may be required to achieve the required total DFT.

Note: During application, the lined surface should be shaded from direct or indirect sunlight whenever possible. In the case of outdoor weathering, a color change can occur which has no effect on the functionality.

MIXING RATIO

The primer and coating components are supplied in pre-measured units so that weighing or measuring of the components is kept to a minimum. After the unit has been mixed it shall be used within the specified pot life.

Primer	Parts by Weight	Parts by Volume
COROFLAKE 68 PRIMER	100	100
HARDENER No. 4	30	33.69

Coating	Parts by Weight	Parts by Volume
REMACOAT SEALING LAYER COMP. A	100	100
REMACOAT SEALING LAYER COMP. B	25	27.6

CONSUMPTION PER COAT

Product	Thickness [µm]	Coverage [g/m ²]
COROFLAKE 68 PRIMER	covering	ca. 300 Concrete
REMACOAT SEALING LAYER	ca. 400 - 600	ca. 550 - 800

The information about coverage is an average for spray applications. Actual coverage depends on the object geometry and the method of application. It can vary.

POT LIFE / WORKING TIME [min]

Product	15°C	20°C	30°C
COROFLAKE 68 PRIMER	ca. 120	ca. 60	ca. 30
REMACOAT SEALING LAYER	ca. 60	ca. 40	ca. 20

RECOAT TIME (20°C)

Product	Min. [h]	Max. [Days]
COROFLAKE 68 PRIMER	ca. 12	ca. 7
REMACOAT SEALING LAYER	ca. 12	ca. 7

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CLEANING

Clean all equipment with **SOLVENT T-200** immediately after use. Frequency of cleaning will depend upon amount applied, temperature and elapsed time, including any delays.

SAFETY MEASURES

The material safety data sheets of the individual components, the safety instructions on the packing (label) as well as the legal requirements for handling hazardous materials must be observed.

PACKING UNITS

The products are supplied in the following standard package sizes:

Product	Size	Article No.
REMACOAT SEALING LAYER COMP. A - GRAY	4 kg	590 3720
REMACOAT SEALING LAYER COMP. A - GRAY	23 kg	590 3750
REMACOAT SEALING LAYER COMP. A - TERRA	4 kg	590 3730
REMACOAT SEALING LAYER COMP. A - TERRA	23 kg	590 3760
REMACOAT SEALING LAYER COMP. B	1 kg	590 3740
REMACOAT SEALING LAYER COMP. B	5.75 kg	590 3770
COROFLAKE 68 PRIMER	12 kg	590 0851
HARDENER No. 4	3.6 kg	590 0875
SOLVENT T-200	4 kg	590 0610
SOLVENT T-200	8 kg	590 0611

STORAGE

The products must be stored in a cool and dry place, away from direct sunlight. At the specified storage temperatures a shelf life of the products is given of at least for the following periods:

Product	Temperature	Shelf Life
REMACOAT SEALING LAYER COMP. A	5 - 25°C	12 Months
REMACOAT SEALING LAYER COMP. B	5 - 25°C	12 Months
COROFLAKE 68 PRIMER	5 - 25°C	12 Months
HARDENER No. 4	5 - 25°C	12 Months
SOLVENT T-200	5 - 25°C	60 Months

If the storage time is exceeded, the materials must be tested before use. Higher storage and transport temperatures will reduce the shelf life. The containers must be kept tightly closed. Liquid products must be stored frost-proof. In addition, the DIN 7716 must be observed.

Technical Data	Standard	Unit	Value
Hardness Shore D	DIN ISO 7619 (ASTM D2240)	-	30
Min. Adhesion Strength Concrete	EN ISO 4624 (ASTM D4541)	N/mm ²	1.5*
Elongation at Break	DIN 53504	%	60
Tensile Strength	DIN 53504	N/mm ²	4
Crack Bridging	EN 14879	mm	0.5
Thermal Resistance	-	°C	+90

* Depending on the concrete strength

Note: The indicated temperatures are dependent on the present load and may vary

Information given in the fact sheet above corresponds to the current knowledge available to us regarding our products at the time of its drafting and is intended as a guideline for informational purposes. However, because of the multiple possibilities regarding possible applications, processing and on site conditions, any information given in the fact sheet above is not legally binding, in particular, without being limited to, such information shall not be interpreted as a warranty of merchantability or of fitness for a particular purpose. Customer therefore is advised to conduct its own testing or make an inquiry with our technical department before ordering. We reserve the right to change the product at any time, in particular, without being limited to, minor changes because of advancements in technology. If by way of exception, the information given in the fact sheet above is incorporated by reference into any contract concluded with us under German Law, such information, shall only be interpreted as determining the specific requirements of the contractual products as set out in § 434 BGB (German Civil Code) and shall not be interpreted as constituting a guarantee of condition.

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