

The high-strength, antistatic coating system

REMACOAT C

REMACOAT is a two-component, solvent free polyurea coating system. Its main features are outstanding processing characteristics such as rapid curing, even at temperatures below 0°C (32°F) and high moisture resistance.

Application areas

REMACOAT C is suitable for making antistatic coatings to prevent the threat of ignition from electrostatic charges. These properties are especially important in the storage of flammable liquids of A1, AII and B hazard classes.



Discharging bridge



Discharging bridge

Typical fields of use

- Petrochemical refineries
- Secondary containment
- Washing and cleaning units
- Coating of oil pipelines
- Coating of tank pits
- Marine off-shore platforms

Advantages

- DIBt approval (Z-59.12-304) as organic surface protection for concrete in storage, filling and handling plants which are also subject to the German Water Ecology Act (WHG 19 l).
- Widely diverse resistance to chemicals, particularly to petrol and aviation petrol, heating oil and used or unused internal combustion engine oils, up to a minimum coating exposure period of 72 h.

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Industrie

Product properties

Product characteristics	<ul style="list-style-type: none">• Highly reactive, fast-curing, two-component polyurea (polycarbamide) coating system• Solvent-free, 0 % V.O.C.
Storage stability	<ul style="list-style-type: none">• Max. 12 months• Direct exposure to sunlight or heat should be avoided The DIN-Regulation 7716 must be observed!

Technical data

Specific weight	DIN EN ISO 1183	0.99 ± 0.02 g/m ³
Tensile strength	ISO 37-2005 (DIN 53504)	≥ 15 N/mm ²
Elongation at break	ISO 37-2005 (DIN 53504)	≥ 250 %
Modulus 300	ISO 37-2005 (DIN 53504)	≥ 15 N/mm ²
Hardness	ISO 868-2003 (DIN 53505)	30 ± 5 Shore D
Abrasion	DIN ISO 4649-2006	≤ 200 mm ³
Resilience elasticity	ISO 4462-1986 (DIN 53512)	≥ 35 %
Tear growth resistance	ISO 34-1-2004-Method A	≥ 25 N/mm

Full physical properties are reached after 5-7 days. The technological values indicated were determined after a 28-day conditioning at ambient temperature (T = 23 ± 2 °C; air humidity = 40-60 %).

Available container sizes	REMACOAT C Poly*	20 kg/200 kg containers
	REMACOAT C Iso	20 kg/224 kg containers

* IMPORTANT NOTE: The poly-components must be very thoroughly agitated prior to use!

The high reactivity of the systems makes it necessary for **REMACOAT coating systems** to be processed exclusively with special two-component high-pressure airless injection machines. These units are available through our worldwide sales and service network.

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