

The flame retardant coating system

REMACOAT FR

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

The special formulation of **REMACOAT FR** enables it to fulfill the requirements of ÖNORM B 3800 Parts 1 and 2 for flame retardant B1, drop formation Tr1 and smoke intensity Q1. The classification B1 makes **REMACOAT FR** especially suitable as flame retardant surface protection in the construction industry.



Tunnel lining



Floor coating

Typical fields of use

- Road tunnels
- Railway tunnels
- Floor coatings
- Building protection

Advantages

- High elasticity
- High tear propagation resistance
- Rapid application due to short gel times
- Reduced plant/component downtime
- Good aging and weathering resistance
- Resistant to hydrolysis

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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	1.13 ± 0.02 g/m ³
Tensile strength	ISO 37-2005 (DIN 53504)	≥ 15 N/mm ²
Elongation at break	ISO 37-2005 (DIN 53504)	≥ 200 %
Modulus 300	ISO 37-2005 (DIN 53504)	≥ 10 N/mm ²
Hardness	ISO 868-2003 (DIN 53505)	50 ± 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	≥ 40 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 FR Poly*	20 kg/222 kg containers
	REMACOAT FR Iso	20 kg/238 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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