

The highly flexible wear protection system

REMACOAT A-80

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 A-80 has a successful track record in a variety of applications that require wear protection. However, because of its favorable elastic properties it is an excellent solution for components under dynamic stress as well as crack bridging applications.



Inner lining of an excavator bucket



Tipper lorry platforms

Typical fields of use

- Bunkers
- Silos
- Containers
- Lorry tippers
- Railway wagons
- Material feed/load points
- General bulk materials handling and storage
- Excavator buckets

Advantages

- Very high resistance to wear
- Rapid application due to short gel times
- High temperature flexibility
- Good aging and weathering resistance
- Resistant to hydrolysis
- Reduced plant/component downtime

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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	1.04 ± 0.02 g/m ³
Tensile strength	ISO 37-2005 (DIN 53504)	≥ 14 N/mm ²
Elongation at break	ISO 37-2005 (DIN 53504)	≥ 385 - 475 %
Modulus 300	ISO 37-2005 (DIN 53504)	≥ 11 N/mm ²
Hardness	ISO 868-2003 (DIN 53505)	90 ± 5 Shore A
Abrasion	DIN ISO 4649-2006	140 mm ³ ± 30 %
Resilience elasticity	ISO 4462-1986 (DIN 53512)	≥ 40 %
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 A-80 Poly*	20 kg / 208 kg containers
	REMACOAT A-80 Iso	20 kg / 222 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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