

The high-strength corrosion protection system

# REMACOAT D-40

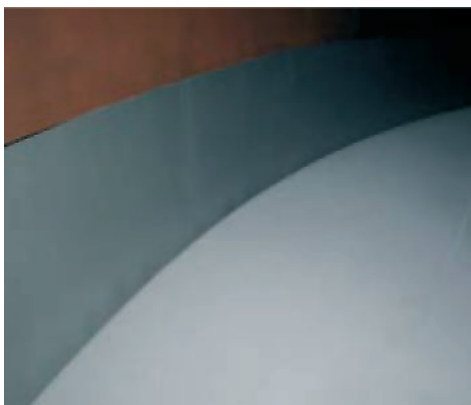
**REMACOAT** is a two-component, solvent free polyurea coating system. Its main features are outstanding processing characteristics such as rapid curing, even at temperatures below 0°C (32°F) and high moisture resistance.

## Application areas

This high-strength corrosion protection system has been approved by the German Institute for Construction Engineering (DIBt: Z-59.12-305) as an organic surface protection for concrete in storage, filling and handling facilities which are subject to the German Water Ecology Act (WHG 19 I).



Wastewater system



Tank bottom

## Typical fields of use

- Lining of wastewater systems
- Storage reservoirs in waste incineration plants
- Wastewater lagoon and pool lining
- Secondary containment
- Seawater desalination plants

## Advantages

- Good chemical and thermal resistance
- 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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## Product properties

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

## Technical data

<b>Specific weight</b>	DIN EN ISO 1183	1.12 ± 0.02 g/m <sup>3</sup>
<b>Tensile strength</b>	ISO 37-2005 (DIN 53504)	≥ 15 N/mm <sup>2</sup>
<b>Elongation at break</b>	ISO 37-2005 (DIN 53504)	≥ 200 %
<b>Modulus 300</b>	ISO 37-2005 (DIN 53504)	≥ 9 N/mm <sup>2</sup>
<b>Hardness</b>	ISO 868-2003 (DIN 53505)	45 ± 5 Shore D
<b>Abrasion</b>	DIN ISO 4649-2006	≤ 200 mm <sup>3</sup>
<b>Resilience elasticity</b>	ISO 4462-1986 (DIN 53512)	≥ 30 %
<b>Tear growth resistance</b>	ISO 34-1-2004-Method A	≥ 20 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%).

<b>Available container sizes</b>	<b>REMACOAT D-40 Poly*</b>	20 kg/238 kg containers
	<b>REMACOAT D-40 Iso</b>	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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