

The wear-resistant corrosion protection system

# TOPLINE W

**TOPLINE W** is a three-component, powder filled vinyl ester lining with a glass mat reinforcement. The utilization of a highly abrasive resistant filler in the cover makes this system resistant to extreme wear.

## Application areas

**TOPLINE W** is suitable for protection against abrasive and chemically aggressive media. It is ideal for the use as corrosion-protectant for steel and concrete components in the salt and potash industries as well as areas exposed to wear in flue gas scrubbers.



Thickeners



Pits

## Typical fields of use

- Thickeners in the winning of salt and chlorine/alkali industries
- Agitator containers for media with high solids contents
- Lining of bottoms subject to stronger abrasion
- Lime dissolution and gypsum suspension containers as well as scrubbers in FGD systems

## Advantages

- Proven performance against abrasive media
- Slip-resistant
- High resistance to mechanical loads (passable)
- Easy to repair
- Quick hardening

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Industrie

## Product properties

<b>Product characteristics</b>	<ul style="list-style-type: none"><li>• Three-component Novolac vinyl ester lining system</li><li>• Filler and glass mat reinforced</li></ul>
<b>Processing</b>	<ul style="list-style-type: none"><li>• Filling and laminating</li></ul>
<b>Storage stability</b>	<ul style="list-style-type: none"><li>• 6 months at 20° C</li><li>• Prolonged shelf life if stored at lower temperatures</li></ul>

## Technical data

<b>Temperature resistance</b>	ASTM STP 837	75° C wet
<b>Specific weight</b>	DIN EN ISO 1183	1.85 kg/l (with filler)
<b>Viscosity</b>	DIN EN ISO 2884-2 (ASTMD2196-05)	paste-like
<b>E-Module</b>	DIN EN ISO 178:2006-04	7,000 - 10,000 MPa
<b>Tensile strength</b>	DIN EN ISO 527	20 MPa
<b>Pressure resistance</b>	DIN EN ISO 527	85 MPa
<b>Expansion coefficient</b>	DIN 53752 (ASTM D696-03)	27 - 30 x 10 <sup>-6</sup> 1/° C
<b>Water vapour diffusion</b>	ASTM E96/E96M-05	0.006 perm-inch
<b>Abrasion</b>	ASTM D4060-07	30 mg
<b>Bond strength</b>	DIN EN ISO 4624:2003-08	7 N/mm <sup>2</sup> (to C-steel) 1.5 N/mm <sup>2</sup> (to concrete)
<b>Hardness</b>	DIN EN 59	35 Barcol

Full physical properties are reached after 7 days at 23° C and a layer thickness of 3.5 mm.

<b>Available container sizes</b>	<b>TOPLINE W</b>	20 kg/5 kg containers
	<b>Hardener No. 1</b>	400g/100g containers
	<b>Filler F1/Filler W1</b>	20 kg containers

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