

The load handling corrosion protection system

# TIP TOP LINING 74

**TIP TOP LINING 74** is a three-component, glass mat reinforced vinyl ester lining. The unique formulation has gained approval from the German Institute for Construction Engineering for the crack-bridging lining of concrete storage, bottling and reloading areas ( DIBt Z-59.12-298).

## Application areas

**TIP TOP LINING 74** provides ideal corrosion protection to steel and concrete components in chemical tanks and other plant processing apparatus. It is resistant to oxidising acids, dilute alkalis and most chlorinated hydrocarbons.



Water treatment



Tank bund

## Typical fields of use

- Catch basins, pits and ducts subject to the German Water Ecology Act
- Steel containers for the storage of highly aggressive chemicals
- Component parts of phosphoric acid production plants
- Water treatment plants in the chemical industry
- Cathodic dip painting baths

## Advantages

- Practice-proven lining system against aggressive media
- Long service life
- Bridging of cracks up to 0.2 mm
- High resistance to mechanical loads (passable)

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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>• 3 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	80° C wet
<b>Specific weight</b>	DIN EN ISO 1183	1.1 kg/l (mixture)
<b>Viscosity</b>	DIN EN ISO 2884-2 (ASTMD2196-05)	550 mPas +/- 150
<b>E-Module</b>	DIN EN ISO 178:2006-04	6,000 - 8,000 MPa
<b>Tensile strength</b>	DIN EN ISO 527	50 MPa
<b>Pressure resistance</b>	DIN EN ISO 527	60 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>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>TIP TOP LINING 74</b>	20 kg/5 kg containers
	<b>Hardener No. 1</b>	400g/100g containers
	<b>Filler F1</b>	20 kg containers

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