

MetaLine® 100 XTM Chemical Protective Coating

self-processable Novolac coating for long-term surface protection against corrosive influences

... knowing more about coatings!

Petrochemical
Pulp & Paper
Marine & Off-Shore
Oil & Gas
Wastewater Treatment
General Industry
Processing
Mining
Power Generation
Municipal Authorities



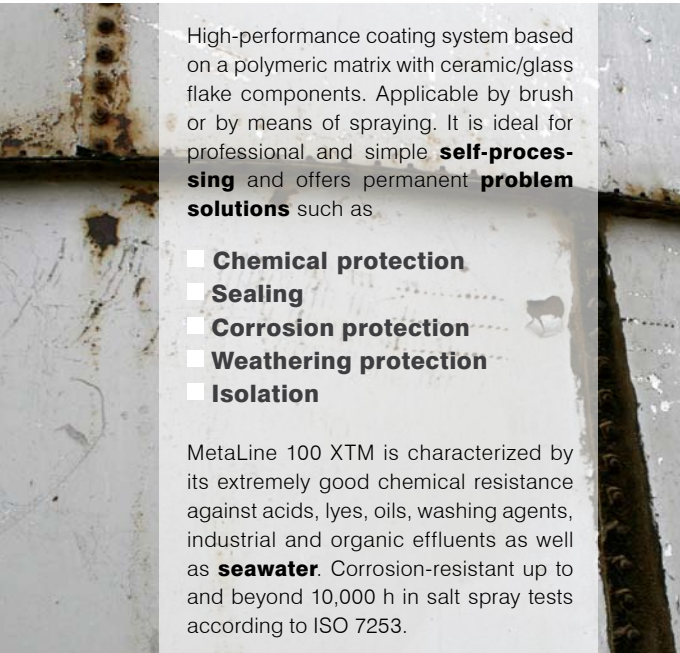
MetaLine®

protect • repair • save

proven coating systems since 1960

MetaLine® 100 XTM

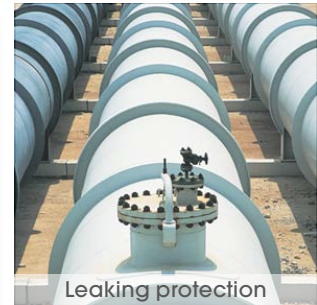
■ Chemical resistant coating system



High-performance coating system based on a polymeric matrix with ceramic/glass flake components. Applicable by brush or by means of spraying. It is ideal for professional and simple **self-processing** and offers permanent **problem solutions** such as

- **Chemical protection**
- **Sealing**
- **Corrosion protection**
- **Weathering protection**
- **Isolation**

MetaLine 100 XTM is characterized by its extremely good chemical resistance against acids, lyes, oils, washing agents, industrial and organic effluents as well as **seawater**. Corrosion-resistant up to and beyond 10,000 h in salt spray tests according to ISO 7253.



Chemical-resistant

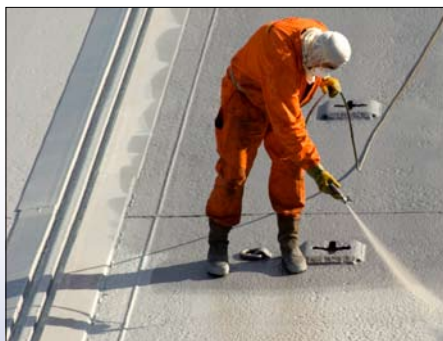
Abrasion- and scratch-resistant

Immersion-resistant up to + 130 °C

Residual elastic film characteristic

Electrically / thermally isolating

Optional anti-static version



Material characteristics

MetaLine 100 XTM is a two-component duroplastic composite coating with exceptionally good long-term stability against fluid influences. It will be applied in 1, 2 or 3 layers up to a thickness of 2.5 mm – without primer. The material solidifies at room temperature without heat supply. It adheres permanently to steel or concrete and develops exceptionally good permeation resistance – even with higher temperatures. Dimensionally stable and **pressure-resistant** up to approximately 100 bar. It may be repaired and recoated at any time.

Application areas

MetaLine 100 XTM is used for **long-term coating** of metal and concrete structures against corrosive, caustic, penetrating or other aggressive and damaging influences. It is suitable for electro-chemical insulation against bi-metallic corrosion. It may preferably be used for the following:

- Paper machines
- Troughs / receptacles
- Reservoirs
- Water boilers
- Separators
- Chemical reactors
- Filtration equipment
- Evaporators
- Tanks
- Floors
- Valves
- Pipes

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MetaLine® 100 XTM

■ chemical resistant coating system

Application method	Brush / Roller / Spray
Dry film thickness	0,5 mm to 2,5 mm
Wet film thickness	0,5 mm per coat
Colour	dark grey (sim. RAL 7031)
Mixing ratio	4 : 1 per weight
Number of coats	1, 2 or 3
Hardness	75 Shore D
Density	1,25 g/cm ³
Compression strength	65 N/mm ²
Tensile strength	24 N/mm ²
Tensile bond strength (1.037 mild steel)	> 25 N/mm ²
Dielectric breakdown voltage	> 5 Kv/mm
Temperature resistance (dry / wet)	+ 150 °C / + 130 °C
TABER-Abrasion (CS17, dry, 1 kg, 1000 rev.)	55 mg
Corrosion resistance (salt spray test)	passed 10.000 hours
Solids content (by volume)	100 %
Working life	30 minutes
Full Cure (full mechanical load)	> 2 days
Full Cure (full chemical immersion service)	> 7 days
Coverage (per mm film thickness)	1,25 kg/m ²
Chemical description	Novolac-Ceramic-Glasflake
Shelf life	1 year
Specifications	equates to ISO 20340



relative to chemical load

A.S.T.M. D2240

DIN 53 479

A.S.T.M. C579

A.S.T.M. C307

EN ISO 4624

DIN 53 841

A.S.T.M. D4060

EN ISO 7253

at 20 °C

at 20 °C

at 20 °C

theoretically

(ISO 4628-2 to 6)

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DE-71157 Hildrizhausen (Germany) | Phone +49 (0) 7034 3100-0 | info@metaline.de