

Interline[®] 399

Thin film lining for elevated temperatures

Interline 399 uses a thin film, two component epoxy novolac lining, that is applied in 3 coats to give high temperature and chemical resistance.

- Thin film chemically resistant epoxy novolac tank lining
- Excellent heat and solvent resistance
- Suitable for the storage of hot water up to 95°C (203°F)
- Suitable for lining storage and gas separator vessels operating at elevated temperatures
- Resistant to sour crude oil
- Good resistance to aromatic and aliphatic solvents



A high performance, highly cross-linked two component epoxy novolac tank lining, with excellent heat and solvent resistance.

High Temperature Storage

Suitable for the internal lining of storage vessels and process vessels in petrochemical plants where exposure to sour crude oil and water from gas separator processing vessels at elevated temperatures up to 95°C (203°F) is envisaged.

Chemical Resistance

Interline 399 is resistant to a wide range of aromatic and aliphatic solvents.

Technical Information

Colour	Limited range	
Volume Solids	67%	
Film Thickness	85-125µm (3.5-5.0 mils) dry Typically applied as a 2-3 coat system	
Mix Ratio	5:1 by volume	
Temperature	Touch Dry	Min Recoat*
10°C (50°F)	8 hours	36 hours
15°C (59°F)	7 hours	24 hours
25°C (77°F)	5 hours	16 hours
40°C (104°F)	3 hours	16 hours
VOC's	270 g/l (2.25lb/gal) UK - PG6/23(92), Appendix 3 2.84 lb/gal (340 g/l) USA - EPA Method 241 99g/kg EU Solvent Emissions Directive (Council Directive 1999/13/EC)	

Test Data

TEST METHOD	REFERENCE	SPECIFICATION DETAILS	TYPICAL RESULT
Pull-off Adhesion	ISO 4624	2 x 100µm (4mils) applied directly to Sa2.5 blasted steel.	Typically 10Mpa (1450psi)
Immersion	ISO 2812 Part 2	2 x 100µm (4mils) applied directly to Sa2.5 blasted steel.	No film defects following 4,200 hours exposure.
Immersion	NACE TM-01-74	2 x 100µm (4mils) applied directly to Sa2.5 blasted steel. (stoved & unstoved @ 220°C).	No blistering, rusting, cracking or flaking following rust 504 hours exposure.
Impact Resistance	ASTM D2794	2 x 100µm (4mils) applied directly to Sa2.5 blasted steel.	Direct impact resistance - 2 Joules.
Cathodic Protection	ASTM G42	2 x 100µm (4mils) applied directly to Sa2.5 blasted steel.	No coating disbondment after 30 days exposure at 60°C, 80°C and 90°C.
Condensation	ISO 6270	2 x 100µm (4mils) applied directly to Sa2.5 blasted steel.	No film defects following 4,200 hours exposure..

The above performance data has been compiled based on present experience of in-service product performance and upon performance data obtained under laboratory test conditions. Actual performance of the product will depend upon the conditions in which the product is used.

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