

Interline[®] 850

Thin film with an extensive track record

Suitable for potable water and aviation fuels, Interline 850 is one of the most versatile thin film linings.

As an epoxy phenolic, it has low VOC emissions, is recoatable for up to 21 days and can improve your schedule.

- Thin film chemically resistant epoxy phenolic tank lining
- Can be used direct to metal, as both the holding primer and build coat in a system
- High solids formulation, 76%, reduces solvent emission
- Recoatable to 21 days at steel temperatures to 50°C (120°F). Greatly improves the scheduling of contracts
- Fully resistant to oxygenated gasoline and all the additives such as MTBE, Ethanol, GTBE and other derivatives
- Dependent on the product to be stored, tanks can be returned to service in 5 days at steel temperatures above 32°C (90°F)
- Approved for use in contact with aviation fuel in accordance with MIL-PRF-4556F, Air BP and Shell.
- Interline 850 is certified to ANSI/NSF standard 61. Certification is for tanks greater than 1500 gallons (5679 litres), for pipes 48 inches (122cm) in diameter or greater, and for valves 4 inches (10cm) in diameter or greater.



Interline 850 is a two component, chemically resistant, high solids epoxy phenolic used to provide corrosion protection for the internals of steel storage tanks containing a wide range of products.

These products include crude oil, unleaded gasoline blends, MTBE, jet fuels, caustic solutions, potable water and a selected range of aromatic and aliphatic solvents.

Epoxy phenolics are essential products for the lining of storage tanks. In the American Petroleum Institute Standard API652 - Lining of Above Ground Petroleum Storage Tank Bottoms - they are designated as Thin Film Systems 500µm (20 mils) or less suitable for the storage of light products, distillates, aromatics, crude and gasoline.

Conforming to API652, Interline 850 is a third generation material with improved properties which will extend the storage capabilities for tank owners with the additional benefit of significant practical application features which will benefit both owners and applicators.

Technical Information

Colour	White and Grey		
Volume Solids	76%		
Film Thickness	100-150µm (4-6 mils) dry		
Mix Ratio	4:1 by volume		
Temperature	Touch Dry	Min Recoat	Max Recoat
10°C (50°F)	9 hours	24 hours	30 days
15°C (59°F)	8 hours	20 hours	30 days
25°C (77°F)	5 hours	8 hours	30 days
40°C (104°F)	3 hours	5 hours	21 days
VOC's	143g/kg EU Solvent Emissions Directive (Council Directive 1999/13/EC) 1.87 lb/gal (225 g/l) USA - EPA Method 24		

Interline 850 is typically specified as a two coat system at 125µm (5mils) per coat to give a total coating system dry film thickness of 250µm (10 mils).

Test Data

TEST METHOD	REFERENCE	SPECIFICATION DETAILS	TYPICAL RESULT
Pull-off Adhesion	ISO 4624	2 x 125µm (5 mils) dft Interline 850 applied directly to Sa2.5 (SSPC-SP10) blasted steel.	Typically 10Mpa (1450psi) when using a PAT Model GM01 hydraulic adhesion tester on 5mm (3/16th inch) thick steel.
Abrasion Resistance	ASTM D4060	2 x 125µm (5 mils) dft Interline 850 applied directly to Sa2.5 (SSPC-SP10) blasted steel.	Average of 86mg weight loss per 1000 cycles using CS10 wheels and a 1Kg loading.
Immersion in deionised water	ISO 2812 Part 2	2 x 150µm (6 mils) dft Interline 850 applied directly to Sa2.5 (SSPC-SP10) blasted steel.	No film defects following 1 year exposure.
Impact Resistance	ASTM D2794	2 x 125µm (5 mils) dft Interline 850 applied directly to Sa2.5 blasted steel.	Direct impact resistance - 2 Joules.

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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