

Enviroline 2900

Protection against a range of chemical cargos

Enviroline® 2900 is an epoxy phenolic that combines excellent abrasion and impact resistance providing long term performance against a range of chemicals and acids.

Excellent mechanical properties combined with resistance to high temperature crude and other aggressive chemicals make Enviroline® 2900 an ideal lining to withstand the conditions likely to be experienced on a shale oil project.

- Resists continuous immersion in a wide range of chemicals, including acid solutions, alkalis and corrosive salts
- Rapid cure times allows storage tanks and vessels can be coated, cured and returned to immersion service within eight hours
- Fast return to service minimizes process disruption and reduces overall installation costs
- Excellent abrasion and impact resistance makes Enviroline® 2900 ideal for protecting against damage from in service cleaning



The abrasion and chemical resistance properties of Enviroline 2900 make it the ideal for chemical storage

The high abrasion and chemical resistance of Enviroline® 2900 makes it ideal for protecting both steel and concrete substrates against acid attack, as well as having good resistance to most cleaning processes.

Immersion

Enviroline® 2900 provides excellent performance in continuous immersion as well as providing immersed heat resistance. Enviroline® 2900 is particularly effective in protecting assets against acids, alkalis and corrosive salts.

Outstanding abrasion resistance

Thick film Enviroline® 2900 can be applied as a single coat lining at a DFT between 30 - 40 mils (750 - 1000 µm). The impressive durability of the film provides extensive protection against impact and abrasion caused by sliding abrasion, in addition to resisting damage which could be caused as a result of cleaning.

It is suitable for tanks, containment areas and as an internal linings for transmission pipelines.

Extensive testing and in service performance proves that the tough, durable characteristics of Enviroline® 2900 enable it to resist damage caused by abrasion and impact.

Technical information

Volume solids	100%
Typical thickness	30 - 40 mils (750 - 1,000 µm)

Time is money



Test data

TEST TYPE	TEST METHOD	RESULTS
Direct impact resistance	ASTM D2794 (Steel panel 1/8")	> 160 in-lbs
Indirect impact resistance	ASTM D2794 (Steel panel 1/8")	10 in-lbs
Shore D hardness	DIN 53153	75 minimum
Barcol hardness	ASTM D2583	70 minimum
Taber abrasion resistance	ASTM D4060 (1000 cycles/CS-17/1 kg) - Weight loss - Weight loss	15.8 mg 0.255 mils
Adhesive strength to steel	ASTM D4541	> 1450 psi (10 MPa)
Chemical resistance	ISO 2812 Part 1 - Immersion @ 77°F (25°C) Calcium chloride (saturated) - Immersion @ 77°F (25°C) 37% Hydrochloric acid	No defects No defects

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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