

Enviroline 2900LV

Protection against a range of chemical cargoes

Enviroline® 2900LV is a FDA compliant 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 2900LV 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, tanker cars, hopper cars carrying plastic pellets and potash, 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 2900LV ideal for protecting against damage from in service cleaning



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

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

Immersion

Enviroline 2900LV provides excellent performance in continuous immersion. It is particularly effective in protecting assets against acids, alkalis and corrosive salts.

Outstanding abrasion resistance

Thick film Enviroline 2900LV can be applied as a single coat lining at a DFT between 12- 20 mils (300 - 500 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 rail cars, 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 2900LV enable it to resist damage caused by abrasion and impact.

Technical information

Volume solids	98% ± 2%
Typical thickness	12 - 20 mils (300 - 500 µm)

Time is money



Test data

TEST TYPE	TEST METHOD	RESULTS
Direct impact resistance	ASTM D2794 (Steel panel 1/8")	30 in-lbs
Indirect impact resistance	ASTM D2794 (Steel panel 1/8")	> 173 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	74 mg
Chemical resistance	ISO 2812 Part 1 - Immersion @ various temperatures Crude oil @ 203°F (95°C) Shale oil @ 221°F (105°C) Benzene @ 104°F (40°C) Ethanol @ 104°F (40°C) MIBK, Butyl Acetate @ 120°F (50°C) MDEA/Water and MEG/Water @ 176°F (80°C)	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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pcmarketing.americas@akzonobel.com

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