

Enviroline 376F-60

Fiber filled for reinforcement

Enviroline® 376F-60 is a polycyclamine cured epoxy novolac lining reinforced with both flake and fibre to provide tank bottom refurbishment with a 14 hour return to service time.

- Conforms to API 652/653 guidelines allowing inspection intervals up to 20 years reducing downtime and shutdowns
- Resists continuous immersion in a wide range of chemicals, including crude oil and hydrocarbon water mixtures up to 194°F (90°C)
- High chemical resistance makes it suitable for storing bio-fuel and bio-ethanol
- Flake reinforced system is spray applied in a single coat significantly increasing application rates and reducing labor costs
- Applied without the need for specialist chopper guns
- Rapid cure time minimizes process disruption by being ready for immersion service within 14 hours
- Excellent impact and abrasion resistance minimizes turnaround times and clean outs
- Low temperature cure version, cures at temperatures down to 20°F (-7°C)



Enviroline 376F-60 reinforced lining system which offers tank internal inspection intervals of potentially 20 years

Enviroline® 376F-60 builds on Enviroline® 376F-30 with the addition of flake and fiber reinforcement to provide outstanding long term performance against a wide range of chemicals.

Conforms to API 652 / 653

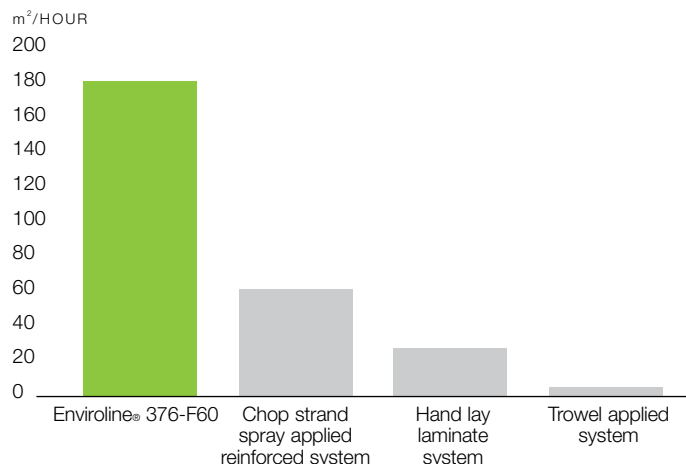
Enviroline® 376F-60 conforms to API 652/653 guidelines, allowing inspection intervals up to 20 years, minimizing downtime. At installation, the thick film reinforced lining is applied as a single coat without the need for specialist chopper guns. Fast cure provides extra efficiency gains, enabling you to return assets to immersion service within 14 hours and reduce overall installation costs.

High temperature immersion

Solvent free Enviroline® 376F-60 provides long term protection for a variety of cargoes including bio-diesel, crude oil and hydrocarbon water mixtures up to 194°F (90°C). Enviroline® 376F-60 also offers good cathodic disbondment resistance, making it ideal for protecting buried pipelines and tank bottoms.

Enviroline® 376F-60 can protect a variety of steel and concrete assets including bulk storage tanks, secondary containment and buried transmission pipelines.

Typical application rate of reinforced systems for tank bottom repair



Technical information

Volume solids	100%
Typical thickness	50-80 mils (1250 - 2000 microns) DFT

Test data

TEST TYPE	TEST METHOD	RESULTS
Abrasion resistance	ASTM D4060 CS17 wheel - 1 kg weight	21.6 mg/1000 cycles
Pull-off adhesion to steel	ASTM D4541 Adhesion direct to blasted steel substrate	Typically > 1833 psi (12.5 MPa)
Cathodic disbondment	ASTM G95 1.5 volts for 28 days	@ 75°F (24°C) 1.4 mm disbondment @ 149°F (65°C) 5.4 mm disbondment
Chemical resistance	ISO 2812 Part 1 Immersion @ 160°F (71°C) (Crude Oil, sweet/sour)	No defects
Chemical resistance	ISO 2812 Part 1 Immersion @ 160°F (71°C) (25% Sodium Chloride Soln)	No defects
Chemical resistance	ISO 2812 Part 1 Immersion @ 160°F (71°C) (Aliphatic Hydrocarbons)	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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