



376F-30 TANK AND PIPE LINING



PRODUCT INFORMATION BULLETIN

DESCRIPTION

Enviroline® 376F-30 is a 100% solid, fast curing, technologically advanced hybrid epoxy novolac. Specifically designed to handle the harsh environments in the petroleum industry, including all petroleum crudes, **Enviroline 376F-30** provides good flexibility and impact resistance for application on steel or concrete that experience thermal or mechanical expansion and contraction. **Enviroline 376F-30** resists immersion temperatures up to 275° F for certain applications.

TYPICAL USE

Steel and concrete areas in the petroleum industry, including petroleum bulk storage tanks, downhole tubular pipes, downhole casing exteriors, interior and exterior pipes, floors, tank pads, trenches, troughs, sumps and pits.

BENEFITS

- Zero VOC's
- Excellent adhesion
- Superior abrasion resistance
- Impact resistance
- Cathodic disbondment resistance*
- Resists wide range of chemicals and solvents
- Thick-film, single coat application (20-40 mils)
- Fast curing (Immersion service in 14 hours)
- High temp stability- autoclave test 275° F*
- Thermal & mechanical shock resistance*

* Contact Enviroline for 3rd party test data

LIMITATIONS OF USE

See Enviroline Chemical Immersion Resistance Guide or consult your Enviroline representative.

TECHNICAL DATA

Weight (lbs/gal): 12.8
Volume Solids: 100%
Color(s): Green, Gray, Tan
Flash Point: >200° F
Hardness (Shore D min.): 75

Pot Life (@77° F): 35 minutes
Pot Life (@100° F): 12 minutes
VOC (mixed lbs/gal): 0
VOC (mixed g/l): 0
Recommended Thickness: 20-40 mils DFT

Temperature Resistance:

Non-Immersion, Dry Heat: 300° F (149° C)

Continuous immersion resistance is dependent on particular temperature and chemical exposure. See Enviroline Chemical Immersion Resistance Guide or consult Enviroline representative.

COVERAGE

Theoretical Coverage*: 1604 sq. ft per gallon @ 1 mil dry

@ **20 mils:** 80 sq. ft. per gallon

@ **40 mils:** 40 sq. ft. per gallon

*When ordering product, make allowances for any loss due to overspray, surface irregularities, etc. (approx. 15 – 20%).

DRY & CURE SCHEDULE

Drying schedule at temperatures indicated and 50% relative humidity:

	55°F	77°F	90°F
Touch Dry	7 hours	2 hours	1 hour
Dry Hard	12 hours	4 hours	2 hours
Minimum Recoat	12 hours	2.5 hours	2 hours
Maximum Recoat	20 hours	6 hours	3 hours
Cure	48 hours	14 hours	10 hours

Post Curing: **Enviroline 376F-30** may be post cured to expedite curing or increase chemical resistance for extremely aggressive environments. Post cure for a minimum of 2 hours at 250° F or 6-8 hours at 150° F for maximum resistance. Consult Enviroline Technical Services Dept. for specific application information.

SURFACE PREPARATION

All surfaces must be clean, dry, and free of dust, dirt, oil or other foreign matter. Steel surfaces shall be abrasive blasted to SSPC SP-5/Nace No. 1 White Metal finish with a minimum 3 – 5 mil angular profile for best results. Concrete shall be abrasive blasted or etched with 10% muriatic acid. Enviroline 54 or 58 Primer recommended for concrete surfaces.

APPLICATION EQUIPMENT

Airless spray system (GRACO 45:1, 56:1 or higher recommended). Remove suction tube and place lower assembly in 5 gallon pail. Smaller areas may be trowel applied. Hoses should be 1/2" ID minimum (no longer than 150 ft.), ending with a 10 ft. 3/8" whip hose. A reversible tip (.031-.035) is suggested. Pressure at the pump should be 100 psi or maximum recommended by equipment manufacturer. Teflon type packings recommended and are available from the pump manufacturer. Keep in mind that airless spray application requires stopping periodically to flush the lines with methyl ethyl ketone (MEK) or methyl

