



Protective & Marine Coatings
PRODUCT DATA SHEET



NOVA-PLATE® 360
HIGH PERFORMANCE NOVOLAC

Revised: June 9, 2023

PRODUCT DESCRIPTION

NOVA-PLATE 360 is a next generation, high performance, PTFE, inert flake reinforced, novolac tank lining which can be applied by single leg airless or plural component airless application with return to service times in as little as 24 hours. It meets the requirements of the API 652 guideline as a thick film reinforced lining, in immersion service temperatures up to 275°F (135°C), with proven hole bridging capabilities, combined with excellent edge retention meeting the MIL-PRF-23236D standard. It has excellent abrasion resistance and it incorporates Optical Activated Pigment (OAP) technology to improve the accuracy and productivity of holiday detection.

INTENDED USES

Process vessels, operating at higher temperatures and pressures, for crude oil and produced water service. Suitable as a lining for bulk storage tanks for petrochemicals, bio-fuels (offering superior resistance to alcohols, including methanol and biodiesel) and a wide of range of chemicals including naphtha. The high chemical resistance combined with flexibility makes this lining suitable for applications in Water and Waste Water, Mining, Offshore, Power, and Chemical Processing. Nova-Plate 360 can also be used for pipeline internals and externals.

PRODUCT DATA

Finish:	Gloss		Average Drying Times:			
Colors:	Green, Blue OAP		45°F (7°C)	77°F (25°C)	100°F (38°C)	
Volume Solids:	96% ± 2%, mixed		50% RH	50% RH	50% RH	
VOC (unreduced):	15 g/L; 0.13 lb/gal, mixed		Touch:	5 hours	3 hours	1 hour
Mix Ratio:	2:1 by volume		Handle:	38 hours	8 hours	3 hours
Typical Thickness:			Recoat:			
			minimum:	38 hours	8 hours	3 hours
Wet mils (microns)	Minimum	Maximum	maximum:	30 days	30 days	30 days
Dry mils (microns)	16.0 (400)	36.0 (900)	Cure to service:	7 days	48 hours	24 hours
~Coverage sq ft/gal (m²/L)	15.0 (375)	35.0 (875)	Pot Life:	2 hours	1 hour	25 minutes
	44 (1.1)	103 (2.5)	<i>If maximum recoat time is exceeded, abrade surface before recoating.</i>			
Shelf Life:	Part A: 18 months, unopened Part B: 12 months, unopened Store indoors at 45°F (7°C) to 100°F (38°C).		<i>Drying time is temperature, humidity, and film thickness dependent.</i>			
Flash Point:	200°F (93°C), PMCC or SETA, mixed					
Reducer:	Not recommended					
Clean Up:	M.E.K.					
Weight:	13.00 lb/gal ; 1.56 Kg/L, mixed, Green					

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Minimum recommended surface preparation:

- Iron & Steel:** Immersion: SSPC-SP10/NACE 2, angular 3.0-4.0 mil (75-100 micron) sharp and angular profile [Medium (G) (ISO 8503-2)]
- Concrete & Masonry:** Atmospheric: SSPC-SP13/NACE 6, or ICRI No. 310.2R CSP 2-3
Immersion: SSPC-SP13/NACE 6-4.3.1 or 4.3.2, or ICRI No. 310.2R CSP 2-3

