OneGuard™

TECHNICAL DATA SHEET

**This Technical Data Sheet supersedes those previously issued.*

DESCRIPTION

OneGuard™ is a one-coat hybrid, high solids Novolac product tanker lining which can be applied by a single airless application with a return to service time in as little as 4 days. This lining is designed to be a replacement for two- or three-coat epoxies, providing a significant reduction in application time. OneGuard™ has excellent resistance to petroleum products and crude oil.

TECHNICAL DATA

Color	Red	
Solids Content, %	93% by volume	
Finish	Semi-Gloss	
VOC's	As supplied	Red 70 g/l (0.58 lb/gal)
Pot Life	1 hour at 77°F (25°C)	



SUBSTRATE & SURFACE PREPARATION

General	Clean to remove all contaminants in accordance with SSPC-SP-1. Substrate must be clean and dry.
Steel Substrate	Abrasive blast clean to a minimum NACE No. 2 / SSPC-SP 10 with a 3.0 - 4.0 mil (76 - 102 micron) anchor profile that is sharp and angular for maximum adhesion.

MIXING & THINNING

Mixing	All coating kits are supplied at the proper mix ratio and should be mixed in their entirety. Mix Part A resin for approximately 2-3 minutes until color and consistency is uniform. Mix Part B catalyst until thoroughly homogeneous. Slowly add Part B catalyst to Part A and mix thoroughly for approximately 2 minutes.	
Ratio	Five gallon kit	Part A: 2.75 gallons (10.5 liters) | Part B: 2.25 gallons (8.5 liters)
Thinning	Not recommended	

APPLICATION GUIDELINES

Equipment Type	Coating should be applied via airless spray equipment, pump size 60:1 or greater is recommended. *Contact APC Technical Service for additional information
Dry Film Thickness	Average: 16-20 mils DFT (400-500 microns) Minimum: 12 mils DFT (300 microns) Maximum: 28 mils DFT (700 microns)
Theoretical Coverage	at 1 mil: 1492 ft^2 / gallon at 10 mils: 149 ft^2 / gallon at 12 mils: 124 ft^2 / gallon at 14 mils: 106 ft^2 / gallon *Allow for loss in mixing and application at 25 microns: 138.6 m^2 / liter at 250 microns: 13.9 m^2 / liter at 300 microns: 11.5 m^2 / liter at 350 microns: 9.8 m^2 / liter *Allow for loss in mixing and application

Dry Times

Temperature	Dry to Touch (hours)	Dry Through (hours)	Dry to Service (days)
50ºF (10ºC)	12	18	5
68ºF (20ºC)	5	9	4
86ºF (30ºC)	2	5	4

APPLICATION CONDITIONS

Material	59ºF (15ºC) – 95ºF (35ºC)
Substrate	50ºF (10ºC) – 86ºF (30ºC)
Humidity	< 65%

CLEAN-UP & SAFETY

Clean-up	OneGuard™ can be cleaned up with MEK, Xylene, or Toluene.
Safety	Consult SDS

PACKAGING, HANDLING & STORAGE

Shelf Life	24 months
Storage	60ºF – 100ºF (15ºC - 37ºC) | 0 - 100% RH Consult SDS or contact APC Technical Service for more info.

Information on TDS documents represent typical data for the mixed coating formulation (part A + part B) using 'as supplied' materials as of the date hereof. All information is correct to the best of our knowledge. Values should not be construed as specifications. Please contact Advanced Polymer Coatings' Technical Service Team if you have any questions related to this data sheet or application.

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