



SELECTION & SPECIFICATION DATA

Generic Type	100% Solids Thin Film Epoxy
Description	A 100% solids, thin film, "State of the Art" two-component epoxy coating for use on tanks, pipes, steel structures, offshore platforms and subsea structures. This environmentally friendly, 100% solids, epoxy, two component coating system is available in Brush Grade, Spray Grade. No further solvent reduction is necessary.
Features	<ul style="list-style-type: none">• Excellent chemical, acid, solvent and water resistance when topcoated with SP-9888[®] Tank Lining• Good recoatability• Good flexibility• Excellent adhesion to steel• Easily applied by brush or spray• 100% solids, Isocyanate free, environmentally friendly & safe
Typical Uses	Can be used for striping of welds, the internal of tank nozzles, intake piping, structural steel and/or platforms.
Color	Grey (0700)
Dry Film Thickness	8 - 10 mils (203 - 254 microns) DFT One to two coats
Solids Content	By Volume 100% +/- 0%
Theoretical Coverage Rate	1604 ft ² /gal at 1.0 mils (39.4 m ² /l at 25 microns) 200 ft ² /gal at 8.0 mils (4.9 m ² /l at 200 microns) 160 ft ² /gal at 10.0 mils (3.9 m ² /l at 250 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : 2 g/l
Dry Temp. Resistance	Continuous: 302°F (150°C) Up to 150°C (302°F) Wet when topcoated with SP-9888 [®] Tank Lining
Topcoats	The recommended topcoat is SP-9888 [®] Tank Lining where applicable.
Specific Gravity	Base: 1.54 ± 0.03 Hardener: 1.05 ± 0.03 Mixed Material: 1.40 ± 0.03

SUBSTRATES & SURFACE PREPARATION

Steel	Cleanliness: NACE No. 2/ SSPC SP-10, SA 2.5 (ISO 8501-1) Profile: 62.5 microns (2.5 mils) – 125 microns (5 mils)
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SP-9888[®] Stripe Coating

PRODUCT DATA SHEET



PERFORMANCE DATA

All test data was generated under laboratory conditions. Field testing results may vary.

Test Method	Results
Adhesion to Steel (Hot Water Soak) (CSA-Z245.20)	28 days @ 95°C (203°F): Rating #1 (CSA-Z245.20) when topcoated with SP-9888 [®] Tank Lining
Adhesion to Steel (Pull Off Strength) (ASTM D4541)	20.68 MPa (>3000 psi) @ 25°C (77°F)
Cathodic Disbondment Resistance (CSA Z245.20-06, Clause 12.8)	28 days @ 125°C (257°F): 3.6 mm when top coated with SP-9888 [®]
Shore D Hardness (ASTM D2240)	25°C (77°F): 80

Chemical Resistance | No change in various chemical solutions (ASTM G20, 365 day immersion, R.T.) when top coated with SP-9888[®]

MIXING & THINNING

Mixing | Component Details for Color:
Grey (0700): The Base is Grey (0700) and the Hardener is Amber (0908)

Thinning | No further thinning (solvent reduction)

Ratio | 2.5:1 Base to Hardener, by Volume

Pot Life | **Brush Grade:** 50 minutes @ 25°C (77°F) @ 200 gms mass

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

Brush Grade | Brush or Roller

Spray Grade | **Airless Spray System**
Graco King 50:1 or manufacture approved equivalent
Tip Size: 0.021-0.031

APPLICATION CONDITIONS

Condition	Surface	Ambient
Minimum	59°F (15°C)	50°F (10°C)
Maximum	86°F (30°C)	104°F (40°C)

Preheating of the substrate is required if the surface to be coated is below 15°C (59°F). The substrate temperature must be a minimum of 3°C (5°F) above the dew point temperature before proceeding with the coating operation.

Recommended application temperature:

Base: 20°C to 35°C (68°F to 95°F)

Hardener: 15°C to 25°C (59°F to 77°F)



CURING SCHEDULE

Surface Temp.	Dry Hard (Brush Grade)	Dry Hard (Spray Grade)
59°F (15°C)	20 Hours	20 Hours
68°F (20°C)	15 Hours	15 Hours
86°F (30°C)	8 Hours	8 Hours
104°F (40°C)	4.5 Hours	4.5 Hours
122°F (50°C)	2 Hours	2 Hours

250 microns (10 mils) DFT as per ASTM D-1640
 12mm (0.5 in) Thick Steel Panels

Note: this information is to serve as a guide only. The test results were compiled under laboratory-controlled conditions. Field results may vary due to variable conditions such as radiant heat loss and the cooling effects of wind.

Recoat Interval	<p>With Recommended Topcoat Minimum 3 hours / Max 48 hours @ 15° C (59°F) Minimum 2.5 hours / Max 48 hours @ 20°C (68°F) Minimum 2 hours / Max 48 hours @ 25°C (77°F) Minimum 1 hours / Max 48 hours @ 30°C (86°F)</p> <p>The recommended recoat intervals are general guidelines only. The recoat intervals may vary significantly due to variable conditions including by not limited to, humidity, surface temperature, and the product application temperature. Contact your SPC representative for assistance in determining minimum and maximum recoat intervals specific to your application.</p>
	<p>Touch Dry</p> <p><u>Brush Grade:</u> 2 hours @ 25° C (77° F) <u>Spray Grade:</u> 2 hours @ 25° C (77° F)</p> <p>(ASTM D 1640): 150 to 200 microns (6 to 8 mils) DFT</p>

CLEANUP & SAFETY

Cleanup | Carboline Thinner 2 or SP-100 Equipment Wash

Safety | Refer to SPC’s Safety Data Sheet prior to use. Carefully read and follow all safety instructions on labels and packaging. Handle and store material with care in accordance to the Safety Data Sheet. Follow and observe any applicable local or national laws and regulations.

PACKAGING, HANDLING & STORAGE

Shelf Life | Maximum of 24 months from the date of manufacture if the materials are in unopened containers

Storage | Store in a cool, dry, well-ventilated area at temperatures between 5°C (41° F) and 50°C (122°F). Keep in a tightly sealed container when not in use. DO NOT FREEZE.

Packaging - Brush Grade | **1 Liter (0.26 Gallon) Kit**
 Part A: 0.72 liters (0.19 gallons)
 Part B: 0.28 liters (0.08 gallons)

Packaging - Spray Grade | **14 Liter (3.7 Gallon) Kit**
 Part A: 10 liters (2.64 gallons)
 Part B: 4 liters (1.06 gallons)

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WARRANTY

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