



## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	100% Solids Thin Film Epoxy
<b>Description</b>	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.
<b>Features</b>	<ul style="list-style-type: none"><li>• Excellent chemical, acid, solvent and water resistance when topcoated with SP-9888® Tank Lining</li><li>• Good recoatability</li><li>• Good flexibility</li><li>• Excellent adhesion to steel</li><li>• Easily applied by brush or spray</li><li>• 100% solids, Isocyanate free, environmentally friendly &amp; safe</li></ul>
<b>Typical Uses</b>	Can be used for striping of welds, the internal of tank nozzles, intake piping, structural steel and/or platforms.
<b>Color</b>	Grey (0700)
<b>Dry Film Thickness</b>	203 - 254 microns (8 - 10 mils) DFT One to two coats
<b>Solids Content</b>	By Volume 100% +/- 0%
<b>Theoretical Coverage Rate</b>	39.4 m <sup>2</sup> /l at 25 microns (1604 ft <sup>2</sup> /gal at 1.0 mils) 4.9 m <sup>2</sup> /l at 200 microns (200 ft <sup>2</sup> /gal at 8.0 mils) 3.9 m <sup>2</sup> /l at 250 microns (160 ft <sup>2</sup> /gal at 10.0 mils) Allow for loss in mixing and application.
<b>VOC Values</b>	<b>As Supplied</b> : 2 g/l
<b>Topcoats</b>	The recommended topcoat is SP-9888® Tank Lining where applicable.
<b>Specific Gravity</b>	Base: 1.54 ± 0.03 Hardener: 1.05 ± 0.03 Mixed Material: 1.40 ± 0.03

## SUBSTRATES & SURFACE PREPARATION

<b>Steel</b>	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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## PERFORMANCE DATA (TYPICAL VALUES)

<b>Service Temperature</b>	Up to 150°C (302°F) Wet when topcoated with SP-9888® Tank Lining
<b>Adhesion to Steel (Pull Off Strength)</b>	20.68 MPa (>3000 psi) @ 25°C (77°F) (ASTM D4541)
<b>Adhesion to Steel (Hot Water Soak)</b>	28 days @ 95°C (203°F): Rating #1 (CSA-Z245.20) when topcoated with SP-9888® Tank Lining

# SP-9888® Stripe Coating

## PRODUCT DATA SHEET



### PERFORMANCE DATA (TYPICAL VALUES)

<b>Cathodic Disbondment Resistance</b>	28 days @ 125°C (257°F): 3.6 mm when top coated with SP-9888® (CSA Z245.20-06, Clause 12.8)
<b>Chemical Resistance</b>	No change in various chemical solutions (ASTM G20, 365 day immersion, R.T.) when top coated with SP-9888®
<b>Hardness</b>	25°C (77°F): 80 Shore D (ASTM D2240)

### MIXING & THINNING

<b>Brush Grade Pot Life</b>	50 minutes @ 25° C (77° F) @ 200 gms mass
<b>Mixing</b>	Component Details for Color: Grey (0700): The Base is Grey (0700) and the Hardener is Amber (0908)
<b>Thinning</b>	No further thinning (solvent reduction)
<b>Ratio</b>	2.5:1 Base to Hardener, by Volume

### 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.

<b>Spray Grade</b>	<b>Airless Spray System</b> Graco King 50:1 or manufacture approved equivalent Tip Size: 0.021-0.031
<b>Brush Grade</b>	Brush or Roller

### APPLICATION CONDITIONS

<b>Ambient Temperature</b>	10°C to 40°C (50°F to 104°F)
<b>Substrate Temperature</b>	The recommended substrate (metal surface) temperature range for the application of SP-9888®SC is 15°C (59°F) to 30°C (86°F). 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.
<b>Material Temperature</b>	<b>Recommended application temperature:</b> Base: 20°C to 35°C (68°F to 95°F) Hardener: 15°C to 25°C (59°F to 77°F)

### CURING SCHEDULE

<b>Touch Dry</b>	<u>Brush Grade:</u> 2 hours @ 25° C (77° F) <u>Spray Grade:</u> 2 hours @ 25° C (77° F)  (ASTM D 1640): 150 to 200 microns (6 to 8 mils ) DFT
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**CURING SCHEDULE**

**Recoat Interval** | **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)

The recommended recoat intervals are general guidelines only. The recoat intervals may vary significantly due to variable conditions including but 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.

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

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

**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)

# SP-9888® Stripe Coating

## PRODUCT DATA SHEET



### WARRANTY

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.