



CORPORATE HEAD OFFICE
Specialty Polymer Coatings
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U.S.A. HEAD OFFICE
Specialty Polymer Coatings USA, Inc
22503 FM521, Angleton, Texas, 77515, USA
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PRODUCT DATA SHEET

SP-4888[®] DAMP SURFACE COATING

DESCRIPTION: **SP-4888[®] Damp Surface Coating** is a two-component epoxy coating developed specifically for application on wet or damp steel surfaces. In addition, it may be applied on dry steel surfaces with equal corrosion protection properties. When applied as directed, **SP-4888[®] Damp Surface Coating** is an excellent corrosion protection coating with superior adhesion and resistance to cathodic disbonding at temperatures up to 80°C (176°F).

ADVANTAGES:

- 100% Solids – No VOCs.
- Isocyanate free.
- Excellent adhesion to wet, damp or dry grit blasted steel surfaces, Fusion Bond Epoxy and FRP.
- Excellent resistance to high temperature cathodic disbonding at temperatures up to 80°C (176°F).

USES:

- Exterior coating of pipelines, structures or other steel surfaces that may be wet or damp due to the environment or as a result of atmospheric condensation.

APPLICATION: Brush or Roller

CLEANING MATERIALS:

- SP-100 Equipment Wash
- SP-110 Tool Cleaner

SURFACE PREPARATION:

(Steel Substrate)

- **Cleanliness** : Near White
- **Standards** : NACE 2, Sa 2½ (Swedish Scale, ISO 8501-1)
: SSPC SP-10 (Steel Structures Painting Council)
- **Profile** : 62.5 microns minimum to 88 microns maximum
(2.5 mils to 3.5 mils)

Note: No rust formation shall be allowed on the pipe prior to the coating application. If rust formation occurs, the surface shall be re-blasted. If conditions are such that light flash rusting of the substrate may occur before it can be coated, the surface shall be wetted to maintain dampness, prior to the coating application.



PRODUCT DATA SHEET

SP-4888[®] DAMP SURFACE COATING

MIXING RATIO: By Volume: 2 Parts Base to 1 Part Hardener

RECOMMENDED FILM THICKNESS:

- Wet: 0.75 mm (30 mils) minimum to 1.25 mm (50 mils) maximum
- Dry: 0.75 mm (30 mils) minimum to 1.25 mm (50 mils) maximum.

HANDLING PROPERTIES:

Pot Life [100 gm (3.5 oz) mass @ 25°C (77°F)] 40 minutes

Dry Time (ASTM D-1640) [25°C (77°F)]

Touch Dry Time 3 Hours

Dry Hard Time 7 Hours

Ambient Temperature Minimum 10°C (50°F).

Storage / Shelf Life Store in a cool, dry, well-ventilated area at temperatures between 5°C (41°F) and 40°C (104°F). Keep the lids sealed. The Shelf Life is a maximum of 24 months in unopened containers.

LIQUID PROPERTIES:

BASE

HARDENER

Appearance.....	Brown Viscous Liquid	Amber Liquid
Solids Content (%)	100	100
Specific Gravity (ASTM D-1475).....	1.59 ± 0.03	1.008 ± 0.03
Specific Gravity (ASTM D-1475).....	Base & Hardener Mixed:	1.39 ± 0.03
Colour after Mixing.....	Brown	
Coverage (Theoretical).....	Base & Hardener Mixed	39.0 m ² /Litre/25 microns [1604 ft ² /U.S. Gallon/mil]



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SP-4888[®] DAMP SURFACE COATING

PHYSICAL / MECHANICAL / ELECTRICAL PROPERTIES:

Adhesion to Steel:

Dry Adhesion (Pull-off Strength) [MPa (PSI)] (ASTM D-4541-95-A4) (Self-Alignment Adhesion Tester, Type IV) [25°C (77°F)].....	19.3 (2800)
Wet Adhesion (Hot Water Soak) (CSA-Z245.20-06, Clause 12.14, 28 Days) [75°C (167°F)]	Rating #1

Cathodic Disbonding Test, System 1A (mm Radius)

(CSA-Z245.20-06, Clause 12.8):

[Modified to 28 Days @ 80°C (176°F)] (Wet Surface)	4.4
[Modified to 28 Days @ 80°C (176°F)] (Damp Surface)	4.0
[Modified to 28 Days @ 80°C (176°F)] (Dry Surface).....	4.1
[Modified to 28 Days @ 22°C (72°F)] (Wet Surface)	1.5
[Modified to 28 Days @ 22°C (72°F)] (Damp Surface)	1.9
[Modified to 28 Days @ 22°C (72°F)] (Dry Surface).....	1.8

Flexibility (° PPD) (CSA-Z245.20-06, Clause 12.11) [25°C (77°F)]..... 2.93

Flexibility (° PPD) (CSA-Z245.20-06, Clause 12.11) [0°C (32°F)]..... 1.96

Flexibility (° PPD) (CSA-Z245.20-06, Clause 12.11) [-30°C (-22°F)] 0.54

Hardness (Shore D) (ASTM D-2240-91) [25°C (77°F)] 80

Impact [Joules (ft-lbf)] (CSA-Z245.20-06, Clause 12.12) [25°C (77°F)] 1.50 (1.10)

Impact [Joules (ft-lbf)] (CSA-Z245.20-06, Clause 12.12) [0°C (32°F)] 1.50 (1.10)

Impact [Joules (ft-lbf)] (CSA-Z245.20-06, Clause 12.12) [-30°C (-22°F)]..... 1.50 (1.10)

SAFETY: Read the Material Safety Data Sheets before use.

REFER TO COLOUR CHART AT END OF PRODUCT DATA SHEET.

EFFECTIVE DATE: April 12, 2010



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










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BRUSH GRADE COATING KITS

COLOUR CHART

Match Base & Hardener Based on Colour Coded Dots Below.

Mixing Ratio By Volume: 2 Parts Base to 1 Part Hardener.

<u>SIZE</u>	<u>COLOUR</u>	<u>VOLUME</u>	
		<u>BASE</u>	<u>HARDENER</u>
0.50 Litres	PINK 	0.3333 Litres	0.1667 Litres
0.75 Litres	FL GREEN 	0.5000 Litres	0.2500 Litres
0.90 Litres	FL YELLOW 	0.6000 Litres	0.3000 Litres
1.00 Litres	RED 	0.6667 Litres	0.3333 Litres
1.25 Litres	PURPLE 	0.8333 Litres	0.4167 Litres
1.50 Litres	YELLOW 	1.0000 Litres	0.5000 Litres
1.75 Litres	ORANGE 	1.1667 Litres	0.5833 Litres
2.00 Litres	BLACK 	1.3333 Litres	0.6667 Litres
2.25 Litres	BLUE 	1.5000 Litres	0.7500 Litres
2.50 Litres	GREEN 	1.6667 Litres	0.8333 Litres
2.75 Litres	WHITE 	1.8333 Litres	0.9167 Litres
	Note: FL = Fluorescent		