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## PRODUCT DATA SHEET

## SP-5885 SF

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**DESCRIPTION:** **SP-5885 SF** (Solvent Free) is a high performance, self-priming 100% solids two-component epoxy coating with good surface wetting properties. **SP-5885 SF** has excellent anti-corrosive properties ideally suited for structural steel, piping, storage tanks, machinery and equipment used in Industrial environments. **SP-5885 SF** is suited for use on less than ideal prepared surfaces.

**ADVANTAGES:**

- 100% Solids - No VOCs.
- Surface tolerant.
- Can be used as a topcoat over tightly adhering existing coating.
- High Build, one coat application.

**USES:**

- Structural steel, storage tanks, piping, machinery and equipment in petroleum refineries, pulp and paper mills, and sewage treatment plants.

**APPLICATION:**

- Airless Spray Grade: Graco 56:1 or equivalent is required.
- Can also be applied by Brush or Roller

**CLEANING MATERIALS:** SP-100 Equipment Wash.

**SURFACE PREPARATION:** The degree of surface preparation will accordingly influence the performance of the coating. Abrasive blast cleaning is normally the preferred method, when this is not possible then **SP-5885 SF** can be used over less than ideally prepared steel surfaces. The minimum standard for non-immersion service is SSPC SP 11 power tool cleaning to bare metal. For immersion service, the minimum standard is SSPC SP 6. For badly pitted steel surfaces, the spray-roll-spray technique is recommended. Spray a thin coat, then using a short nap roller work the material into the bottom of pitted areas to ensure complete wetting of the pitted surface. Follow with spray application to the specified thickness.

**(Steel Substrate)**



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**SURFACE PREPARATION cont.:** **SP-5885 SF** can be used over most tightly adhering coatings.  
**(Previously Painted Surfaces)** On aged epoxy coating, scuff sanding of the surface is normally required. Prior to painting, the recommended practice is to apply a test patch over the existing coating.

**NOTE:** Like all epoxy coatings, **SP-5885 SF** will change colour (white & light colours will yellow) and chalk on exterior exposure. If visual appearance is of importance, then a coat of **SP-1088** needs to be applied over the **SP-5885 SF**.

**RECOMMENDED FILM THICKNESS:**

- **SP-5885 SF:** 200-300 microns (8-12 mils)
- **SP-1088:** 50-75 microns (2-3 mils)

**RE-COAT INTERVAL:**

- With **SP-5885 SF** – minimum of 12 hours for repair and / or to correct film thickness deficiencies.
- With **SP-5885 SF** – maximum Re-Coat Interval is one week.
- With **SP-1088** – minimum of 20 hours.
- With **SP-1088** – maximum Re-Coat Interval is one week.

**MIXING RATIO:** By Volume: 2.31 Parts Base to 1 Part Hardener.

### HANDLING PROPERTIES:

Pot Life [100 gm (3.5 oz) mass @ 25°C (77°F)] .... 2 Hours

Dry Time (ASTM D1640) [25°C (77°F)]

Touch Dry Time ..... 10 Hours

Dry Hard Time..... 24 Hours

Full Cure Time ..... 5 Days

Application Conditions .... Use only where application and curing can proceed at temperatures above 10°C (50°F). The substrate temperature must be a minimum of 3°C (5°F) above the dew point temperature before proceeding with the coating operation.

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.



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### **LIQUID PROPERTIES:**

### **BASE**

### **HARDENER**

Appearance .....	White Liquid.	Amber Liquid.
Solids Content (%) .....	100	100
Specific Gravity (ASTM D1475) ....	1.68 (varies with colour)	1.00
Specific Gravity (ASTM D1475) ....	Base & Hardener Mixed: 1.48 white, varies with colour.	
Coverage (Theoretical).....	Base & Hardener Mixed: 39.0 m <sup>2</sup> /Litre/25 microns [1604 ft <sup>2</sup> /U.S. Gallon/mil]	

### **PHYSICAL PROPERTIES:**

Dry Adhesion (Pull-off Strength) (ASTM D4541-95-A4) [25°C (77°F)] (Self-Alignment Adhesion Tester, Type IV).....	Excellent
Salt Spray Resistance (ASTM B-117).....	Excellent
Flexibility .....	Very Good
Humidity Resistance.....	Excellent
Water Resistance .....	Excellent

**SAFETY:** Read the Material Safety Data Sheets before use.

**EFFECTIVE DATE:** November 25, 2011