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PRODUCT DATA SHEET — SP-5885 SF

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: (Steel Substrate) 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.

SURFACE PREPARATION cont.: (Previously Painted Surfaces)

SP-5885 SF can be used over most tightly adhering coatings. 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^2/Litre/25 microns [1604 ft^2/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: October 24, 2016