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## PRODUCT DATA SHEET

**SP-2600**

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**DESCRIPTION:** **SP-2600** is a specially formulated product for the in-line repair of holidays on FBE coated pipes and is ideal for use as coating protection for CP, anode and drain lead connections to pipelines. **SP-2600** is also well suited to fill the annular area between anode bracelets on pipelines and as a repair coating for underwater application on wharves, pilings, underwater pipelines and offshore oil rigs.

**ADVANTAGES:**

- 100% Solids – No VOCs.
- Isocyanate free.
- Fast setting.
- Cures underwater.
- High build properties.
- Primer-less.
- Good adhesion to steel substrates, Fusion Bond Epoxy (FBE), and Fiber Reinforced Plastic (FRP).

**USES:**

- In-line holiday repairs on FBE coated pipes.
- Coating of CP, anode and drain lead connections.
- Anode filler for anode bracelets.
- Can be applied underwater to repair wharves, pilings, underwater pipelines and offshore oil rigs.

**APPLICATION:**

- Cartridge: Manual Dispenser.
- Kits: Glove application for underwater.

**SURFACE PREPARATION:**

- Cleanliness: The surface to be coated shall be dry and free of salts, grease, oil, dust and abrasive material or any other contaminants.
- Abrasive Blast to SSPC SP-10 (Near White).
- Prepare surface to SSPC SP-2 or SSPC SP-3 when blasting is not possible.



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

**RECOMMENDED FILM THICKNESS:** As per client’s requirements.

**HANDLING PROPERTIES:**

- Pot Life [200 gm (7 oz) mass @ 25°C (77°F)] ..... 10 ± 2 Minutes
- Dry Time (ASTM D1640):
  - Touch Dry Time [25°C (77°F)] ..... 15 to 25 Minutes
  - Dry Hard Time [25°C (77°F)] ..... < 1 Hour
  - Dry Hard Time [80°C to 95°C (176°F to 203°F)] ..... 1 to 2 Minutes

When over-coating SP-2600 with a range of SPC pipe coatings:

Temperature	10°C (50°F)	25°C (77°F)	35°C (95°F)	50°C (122°F)
Minimum Re-Coat Time	1 Hour	30 Minutes	20 Minutes	10 Minutes
Maximum Re-Coat Time	20 Hours	8 Hours	4 Hours	1.5 Hours

Test Thickness of SP-2600: 10 to 15 mm (400 to 600 mils) as CP anode filler.

Note: SP-2600 can be applied underwater with no effect on the cure.

**Substrate Temperature for**

**Optimum Performance** ..... The acceptable substrate temperature range for application of SP-2600 is 10°C (50°F) to 100°C (212°F). Preheating of the substrate is required if the surface to be coated is below 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 application.

**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 .....	Red Viscous Liquid	Amber Liquid
Volume Solids Content (%) .....	100	100
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:**

#### Wet Adhesion (Hot Water Soak)

(CSA-Z245.20-06, Clause 12.14)

[Modified to 28 Days @ 75°C (167°F)] ..... Rating #1

[Modified to 28 Days @ 98°C (208°F)] ..... Rating #1

#### Cathodic Disbonding Test [Average Radius (mm)]

(CSA-Z245.20-06, Clause 12.8, System 1A)

[Modified to 28 Days @ 65°C (149°F)] ..... 6.8

[Modified to 28 Days @ 80°C (176°F)] ..... 7.0

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

**EFFECTIVE DATE:** January 17, 2011