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PRODUCT DATA SHEET

SP-2831 LOW TEMPERATURE CURE COATING

DESCRIPTION

: **SP-2831 Low Temperature Cure Coating** is a two-component epoxy coating that has the ability to **cure down to 0°C (32°F)**. It is used for applications in cool weather (fall/winter) where other coating systems would require preheating of the substrate or enclosure and application of external heat for curing purposes. **SP-2831 Low Temperature Cure Coating** is ideal for utilization on facilities operating at low temperatures which precludes the use of preheating / external heat.

ADVANTAGES

- : - 100% Solids – No VOCs
- High build single coat application
- Isocyanate free
- Excellent cathodic disbondment performance at temperatures up to 65°C (149°F)
- Excellent adhesion to damp grit blasted steel surfaces, Fusion Bond Epoxy, and FRP

USES

- : - Coating of pipe, valves and fittings
- Coating of girth welds
- Coating rehabilitation of existing pipelines
- Coating repairs

APPLICATION

- : - Spray Grade: Graco Hydra-Cat - Tip Size: .019 - .031
- Brush Grade: Brush or Roller

CLEANING MATERIALS

- : - SP-10[®] Equipment Wash
- SP-11[®] Tool Cleaner
- SP-12[®] Internal Storage Lubricant

FILM THICKNESS

- : - **Wet:** 20 mils (0.50 mm) minimum
- **Dry:** 20 mils (0.50 mm) minimum



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PHYSICAL / MECHANICAL / ELECTRICAL PROPERTIES:

| | |
|---|-------------------|
| Hardness (Shore D) (25°C / 77°F) (ASTM D-2240)..... | 80 |
| Cathodic Disbondment Test (mm) (65°C / 149°F) (CSA Z245.20-M98, 28 Days)..... | 9.1 mm * |
| Cathodic Disbondment Test (mm) (65°C / 149°F) (CSA Z245.20-M98, 28 Days)..... | 8.2 mm ** |
| Tensile Adhesion to Steel (ASTM D4541-95 A4) (PSI) (21°C / 70°F) (Patti Jr.)..... | 2022 |
| Wet Adhesion (75°C / 167°F) (CSA Z245.20-98, 28 Days) | Rating #1 |
| Impact (CSA Z245.20-M92) (@ 25°C ± 3°C)..... | Pass – 1.5 Joules |

- * Coating applied and Cured at 0°C / 32°F
- ** Coating Applied and Cured at 21°C / 70°F)

EFFECTIVE DATE: February 10, 2003