

Specialty Polymer Coatings, Inc. (SPC)

CORPORATE HEAD OFFICE: #104, 20529 - 62nd Avenue, Langley, BC, CANADA V3A 8R4 Tel: (604) 514-9711 • Fax: (604) 514-9722
EASTERN SALES OFFICE: 33 Lakecrest Trail, Brampton, Ontario, CANADA L6Z 1S3 Tel: (905) 846-8870 • Fax: (905) 846-9553
U.S.A. HEAD OFFICE: 6202 Brookdale Drive, League City, TX 77573 Tel: (281) 332-6948 • Fax: (281) 332-6948
U.S.A. SALES OFFICE: P.O. Box 640202, Kenner Branch, New Orleans, LA 70064 USA Tel: (504) 469-0661 • Fax: (504) 469-0661

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 cathodic disbondment properties 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.
- 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 high humidity or condensation.
- 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:** 30 mils (0.75 mm) minimum
- **Dry:** 30 mils (0.75 mm) minimum

PRODUCT DATA SHEET

SP-4888[®] DAMP SURFACE COATING

- SURFACE PREPARATION** : - **Cleanliness** : Near White
(Steel Substrate) - **Standards** : NACE 2, Sa 2½ (Swedish Scale, ISO 8501-1)
: SSPC SP-10 (Steel Structures Painting Council)
- **Profile** : 2.5 mils to 3.5 mils (62 microns to 88 microns)

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.

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

HANDLING PROPERTIES :

- Pot Life** - 40 minutes @ 25°C (77°F)
Accept to Touch Time - 4 Hours @ 25°C (77°F)
Dry Hard Time - 10 Hours @ 25°C (77°F)
Application Temperature - Minimum 10°C (50°F)
Shelf Life - Store in a dry, well-ventilated area at temperatures between 5°C (41°F) and 40°C (104°F). Keep the lids sealed. The Shelf Life is minimum 24 months.

- COLOUR AFTER MIXING** : - Brown

- COVERAGE (THEORETICAL)** : 1629 (ft²/U.S. Gallon/mil)
1.0 (m²/Litre/mm)

PRODUCT DATA SHEET

SP-4888[®] DAMP SURFACE COATING

PHYSICAL / MECHANICAL / ELECTRICAL PROPERTIES:

Hardness (Shore D) (25°C / 77°F) (ASTM D-2240).....	80
Cathodic Disbondment Test (mm) (80°C / 176°F) (CSA Z245.20-M92, 28 Days)...	4.4 (Wet Surface)
Cathodic Disbondment Test (mm) (80°C / 176°F) (CSA Z245.20-M92, 28 Days)...	4.0 (Damp Surface)
Cathodic Disbondment Test (mm) (80°C / 176°F) (CSA Z245.20-M92, 28 Days)...	4.1 (Dry Surface)
Cathodic Disbondment Test (mm) (22°C / 72°F) (CSA Z245.20-M92, 28 Days).....	1.5 (Wet Surface)
Cathodic Disbondment Test (mm) (22°C / 72°F) (CSA Z245.20-M92, 28 Days).....	1.9 (Damp Surface)
Cathodic Disbondment Test (mm) (22°C / 72°F) (CSA Z245.20-M92, 28 Days).....	1.8 (Dry Surface)
Tensile Adhesion to Steel (PSI) (25°C / 77°F) (PATTI JR.).....	2800
Wet Adhesion (75°C / 167°F) (CSAA Z245.20-98, 28 Days)	Rating #1
Impact (CSA Z245.20-M98) @ 25°C ± 3°C (77°F ± 5°F).....	Pass – 1.5 Joules
Impact (CSA Z245.20-M98) @ 0°C ± 3°C (32°F ± 5°F).....	Pass – 1.5 Joules
Impact (CSA Z245.20-M98) @ -30°C ± 3°C (-22°F ± 5°F).....	Pass – 1.5 Joules
Flexibility Mandrel Bend Test (25°C / 77°F) (CSA Z245.20-M98)	Passed @ 1.00-2.93°PPD
Flexibility Mandrel Bend Test (0°C / 32°F) (CSA Z245.20-M98)	Passed @ 1.00-1.96°PPD
Flexibility Mandrel Bend Test (-30°C / -22°F) (CSA Z245.20-M98).....	Passed @ 0.54°PPD

EFFECTIVE DATE: July 19, 2002