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PRODUCT DATA SHEET

SP-5890 ACRYLIC FINISH COAT

DESCRIPTION: Specialty Polymer Coatings, Inc.'s SP-5890 is a one-component finish coat based on modified acrylic resin. On physical drying, the coating provides good gloss and colour retention. SP-5890 is resistant to wear, impact and aliphatic hydrocarbons.

USES:

- SP-5890 is used as a protective and decorative finish coat on the exterior of above ground pipelines and structural steel.
- SP-5890 is suitable for use in areas where other coatings that contain isocyanates may be prohibited.

APPLICATION:

- Airless Spray or Conventional Air Spray.
- Brush or Roller.
- Thinning: 5% by volume with SP-140 Epoxy Thinner. *

* Guide Only: Amount of thinning affected by temperature conditions.

CLEANING MATERIALS:

- SP-100 Equipment Wash
- SP-110 Tool Cleaner

RECOMMENDED DRY FILM THICKNESS: 1.5-2.5 mils

APPEARANCE OF FINISHED PRODUCT:

- Gloss – Semi-gloss.
- Colour – White or light grey.
(Other shades available on special orders.)

SURFACE PREPARATION Cleanliness: The surface to be coated must be completely clean and dry at the time of application. If the surface has been exposed to contaminants, clean the surface thoroughly by high-pressure fresh water and allow it to dry before over coating.



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PRECEDING COAT: Specialty Polymer Coatings, Inc.: SP-2888[®] R.G., SP-6888[®], SP-1864[®], SP-1386[®], SP-1868 or SP-5816.

RE-COAT INTERVAL: The ideal time to over-coat is when the coating is slightly tacky. SP-5890 has no maximum re-coating time period when a second coat of SP-5890 is necessary. When over-coating two-component epoxy or polyurethane coatings, the maximum allowable re-coat window listed below must be followed:

Maximum Re-coat Time at 25°C (77°F)					
SP-2888 [®] R.G.	SP-6888 [®]	SP-1864 [®]	SP-1386 [®]	SP-1868	SP-5816
6 hours	6 hours	8 hours	8 hours	8 hours	N/AP

- If the over-coating time is exceeded, roughening of the surface is necessary to ensure inter-coat adhesion.

HANDLING PROPERTIES:

Dry Time [ASTM D-1640 @ 25°C (77°)]

Touch Dry Time 1.5 Hours
 Hard Dry Time 4 Hours
 Minimum Application Temperature..... 0°C (32°F)
 Maximum Application Temperature 60°C (140°F)

- Application at temperatures below 1°C (33°F) must be monitored carefully since ice crystals could be present in the surface pores of the steel resulting in poor adhesion and reduced corrosion protection.
- At high temperatures, extra thinning with SP-140 Epoxy Thinner may be necessary to prevent dry spray.



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LIQUID PROPERTIES:

Appearance.....	White or light grey.
Volume Solids Content (%)	36
Coverage (Theoretical).....	583 ft. ² /U.S. Gallon/mil 0.36 m ² /litre/mm

SAFETY: Read the Material Safety Data Sheet before use.

- NOTES:**
- The maximum Dry Service Temperature of SP-5890 is 60°C (140°F).
 - SP-5890 is a thermoplastic product, and at surface temperatures above 50°C (122°F) prolonged direct contact on the surface may cause film indentation. However, the mechanical strength of the coating recovers once the temperature is reduced.
 - SP-5890 is not resistant to aromatic hydrocarbons or strong solvents.

EFFECTIVE DATE: September 26, 2005