

PRODUCT NUMBER: 7-1881

DESCRIPTION: Blue LP Liquid Epoxy

Introduction:

NAP-GARD® 7-1881 BLUE LP LIQUID EPOXY, IS A 100% SOLIDS, TWO-COMPONENT SURFACE COATINGS BASED ON NOVEL LEADING EDGE TECHNOLOGY. IT CAN BE USED AS COATINGS FOR PIPELINES, GIRTH WELDS AND APPURTENANCES. THIS COATING EXHIBITS EXCELLENT ADHESION ON METAL SUBSTRATES PREPARED AS PER SSPC SP-11, WHERE ABRASIVE BLASTING IS NOT POSSIBLE OR FEASIBLE. IN TESTING, IT OFFERS EXCELLENT RESISTANCE TO CATHODIC DISBONDMENT UPTO 65°C.

PRODUCT PROPERTIES

Color:	Blue	Volume Solids:	100%
Components:	7-1881A (White) Base 7-1881B (Blue) Hardener	Theoretical Coverage:	1629 sq.ft./mil/gal. (1.0 m ² /Liter/mm)
Shelf Life : @ 5°C to 40°C	2 years	Specific Gravity:	1.40 ± 0.03 Mixed ASTM D-792(Spray or Brush grade)
Mixing Ratio:	3:1 by volume (Brush/Spray Grade)		

TYPICAL PROPERTIES OF APPLIED FILM

Pot Life: (100 gram @ 25°C)	50 ± 5 minutes	Thickness:	20-50 Mils	
Dry Time: (20 mils@25°C) (ASTM D1640)	Touch Time Dry Hard	3 hrs 6 hrs	Cured Hardness Shore D:	82 ± 2. (25°C, ASTM D2240-91)
Hot Water Soak Adhesion: (75°C/28d, CSA Z245.20-06)	Needle Gun #1	Flapper Wheel #1		
Adhesion to Steel: (25°C, ASTM D-4541-Type IV)	Needle Gun 3000PSI	Flapper Wheel 3200PSI		
Cathodic Disbondment: (28 d/65°C/1.5V, CSA Z245.20-06)	Needle Gun 11.25mm	Flapper Wheel 10.2mm	Abrasive Blast 5.06mm	
Impact Resistance: (CSA Z245.20-06)	Needle @ 25°C 5.0 J Pass @ 0°C 3.0 J Pass @ -20°C 2.0 J Pass	Flapper Wheel 6.0 J Pass 4.0 J Pass 4.0 J Pass		

Revised 03/31/2008

DuPont Powder Coatings, U.S.A.
9800 Genard Rd.
Houston, TX 77041
Tel.: 713-939-4000
Fax: 713-939-4027

WARRANTY POLICY: Seller certifies that all coatings delivered to Customer in unopened factory filled containers meet all pertinent quality standards presented in its current published literature. Since matters of surface preparation, application procedures, curing procedures and other local factors that affect coating performance are beyond Seller's control, Seller assumes no liability for coating failure other than to supply replacement material for a coating material proven to be defective. Customer will determine suitability of this product for its use and thereby assumes all risks and liabilities in connection therewith. Seller will not be liable for any injuries, damages or other losses derived, directly or indirectly, from or as a consequence of Customer's use of the product. SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, RELATING TO ITS PRODUCTS AND THEIR APPLICATION, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSES.

Flexibility: (CSA Z245.20-06)	Needle	Flapper Wheel
	@ 25°C 1.0°PPD Pass	2.0°PPD Pass
	@ 0°C 1.0°PPD Pass	1.0°PPD Pass
	@-20°C 0.5°PPD Pass	0.5°PPD Pass

APPLICATION GUIDELINES

I. APPLICATION EQUIPMENT AND METHODS

- 1.0 Spray Grade: Graco Hydra-Cat Airless Spray. Tip Size 0.019-0.031
- 1.1 Brush Grade: Brush or Roller.

II. SURFACE PREPARATION

- 2.0 Cleanliness: Surface shall be free of all visible oil, grease, dirt, mill scale, rust, paint, oxide, corrosion products, and any other foreign matter.
- 2.1 Standards: SSPC SP-11 (Steel Structures Painting Council)
- 2.2 Profile: Minimum 1.0-1.5 mils minimum. Flapper wheel or needle gun. Abrasive blasting is acceptable as per Standard SSPC SP-10, NACE 2 or Sa 2 1/2 (Swedish Scale).

III. TEMPERATURE / HUMIDITY PARAMETERS DURING APPLICATION

- 3.0 Substrate Temperature Range: 10°C to 80°C.
- 3.1 To avoid condensation, the substrate temperature must be a minimum of 3°C (5°F) above the dew point temperature.
- 3.2 Product is capable of curing down to 10°C (50°F) but the dry time will be extended.

IV. RE-COAT INTERVAL

Maximum: 6 Hours @25 °C.

Nap-Gard® 7-1881 solids epoxy is a one-coat application product. However, to correct film thickness deficiencies, the surface must be power tool roughened. Small areas (≤ 250 sq. cm) may be sanded using medium grit (80-100) carborundum cloth. Prior to the re-coat application of the coating, the surface must be wiped free of all dust using a clean dry cloth.

V. NOTE

All epoxy coatings will change colour, lose gloss and chalk on exterior exposure. However, the protective properties of the material will not be affected.

Revised 03/31/2008

DuPont Powder Coatings, U.S.A.

9800 Genard Rd.

Houston, TX 77041

Tel.: 713-939-4000

Fax: 713-939-4027

www.dupontpowder.com

WARRANTY POLICY: Seller certifies that all coatings delivered to Customer in unopened factory filled containers meet all pertinent quality standards presented in its current published literature. Since matters of surface preparation, application procedures, curing procedures and other local factors that affect coating performance are beyond Seller's control, Seller assumes no liability for coating failure other than to supply replacement material for a coating material proven to be defective. Customer will determine suitability of this product for its use and thereby assumes all risks and liabilities in connection therewith. Seller will not be liable for any injuries, damages or other losses derived, directly or indirectly, from or as a consequence of Customer's use of the product. SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, RELATING TO ITS PRODUCTS AND THEIR APPLICATION, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSES.

Nap-Gard® is a registered trademark of E.I. du Pont de Nemours and Company for its brand of Polymer Powder Coatings. Only DuPont makes Nap-Gard®.



The miracles of science®