



PRODUCT NUMBER: 7-1887

DESCRIPTION: Blue Liquid Epoxy

Introduction:

NAP-GARD® 7-1887 BLUE LIQUID EPOXY, IS A 100% SOLIDS, TWO-COMPONENT EPOXY USED AS A SINGLE COAT INTERIOR LINING AND EXTERIOR COATING SYSTEM FOR POTABLE WATER STORAGE FACILITIES, PIPE AND TREATMENT PLANTS. IT CAN ALSO UTILIZED ON VALVES, PUMPS AND FITTINGS RELATED TO POTABLE WATER EQUIPMENT. WHEN APPLIED, IT DOES NOT REQUIRE PRIMER.

NAP-GARD® 7-1887 MEETS THE REQUIREMENTS OF ANSI/AWWA STANDARDS C210-97.

NAP-GARD® 7-1887 HAS BEEN CERTIFIED TO ANSI/NSF STANDARD 61 FOR USE ON THE INTERIOR OF POTABLE WATER STORAGE TANKS OF 500 GALLONS AND GREATER, AND VALVES AND PIPES WITH DIAMETER GREATER THAN 6 INCHES.

PRODUCT PROPERTIES

Color:	Blue	Mixing Ratio:	3:1 by volume
Components:	7-1887A (White) Base 7-1887B (Blue) Hardener	Theoretical Coverage:	1632 sq.ft./mil/gal. (1.0m ² /Liter/mm)
Shelf Life : @ 5°C to 40°C	2 years	Specific Gravity:	1.45 ± 0.03 Mixed ASTM D-792
Volume Solids	100%		

TYPICAL PROPERTIES OF APPLIED FILM

Pot Life:	15 minutes: Base @ 55°C (131°F) & Hardener @ 35°C (95°F) (Spray Application) 1 Hour 30 minutes: Base & Hardener @ 25°C (77°F) (Brush Application)	Thickness:	16-40 Mils
Dry Time: (25°C, ASTM D1640)	Tack Free: 5 hrs Dry Hard: 10 hrs Full Cure: 4 days	Flexibility:	¾" Mandrel (ASTD D522 Type B)
Cured Hardness Shore D: (25°C, ASTM D2240-91)	75	Adhesion to Steel:	>3000 PSI [25°C/77°F] ASTM D-4541-Type IV
Elongation: (ASTD D522 Type B)	9.0%	Cathodic Disbondment:	10mm (28 d, 65°C, CSA Z245.20-06)
Hot Water Soak Adhesion: #1 (28 d, 75°C, CSA Z245.20-06)			

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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.

APPLICATION GUIDELINES

I. APPLICATION EQUIPMENT AND METHODS

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

II. SURFACE PREPARATION

- 2.0 Cleanliness: Near White. Surface to be treated shall be completely dry and free of grease, oil, soil, dust, abrasive material or any other contaminants. Salts and other similar contaminants are to be removed by high-pressure fresh water cleaning.
- 2.1 Standards: SSPC SP-10 (Steel Structures Painting Council)
NACE 2, Sa 2 ½ (Swedish Scale. ISO 8501-1)
- 2.2 Profile: 2.5 mils minimum – 5.0 mils maximum.

III. TEMPERATURE / HUMIDITY PARAMETERS DURING APPLICATION

- 3.0 Minimum substrate temperature: 10°C (50°F).
- 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 5°C (41°F) but the dry time will be extended.
- 3.3 Spray Application:
 - ◆ Coating Base (Drum Temperature): 50° - 55°C (122° - 131°F)
 - ◆ Coating Base (In-Line Temperature): 65° - 75°C (149° - 167°F)
 - ◆ Coating Hardener (Drum Temperature): 25° - 35°C (77° - 95°F)
 - ◆ Coating Hardener (In-Line Temperature): 25° - 35°C (77° - 95°F)
 - ◆ Coating Mixed Temperature: 65° - 75°C (149° - 167°F)
- 3.4 Brush Application (Striping / Coating Repairs):
Ideal coating temperature range for mixing and application is 15° - 25°C (59° - 77°F).

IV. RE-COAT INTERVAL

Minimum: 8 Hours, Maximum: 48 Hours @25 °C.

Nap-Gard® 7-1887 solids epoxy is a one-coat application product. However, to correct film thickness deficiencies, coating damage or for application to concrete after the re-coat interval of the initial thin coat has been exceeded, the surface must be sweep blasted (for large areas > 49 sq. in.) or sanded using medium grit (80-100) carborundum cloth (for small areas ≤ 49 sq. in.). This requirement is necessary to ensure intercoat adhesion. All dust from the sanding or blast roughening must be removed from the surface prior to the re-coat application.

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.

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