

PRODUCT NUMBER: 7-1884

DESCRIPTION: Brown Liquid Epoxy

Introduction:

NAP-GARD® 7-1884 BROWN LIQUID EPOXY, IS A 100% SOLIDS, TWO-COMPONENT EXTERIOR 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. IN TESTING, IT OFFERS EXCELLENT RESISTANCE TO CATHODIC DISBONDMENT UPTO 80°C.

PRODUCT PROPERTIES

Color:	Brown	Volume Solids:	100%
Components:	7-1883A (Brown) Base 7-1883B (Amber) Hardener	Theoretical Coverage:	1604 sq.ft./mil/gal. (0.98 m ² /Liter/mm)
Shelf Life : @ 5°C to 40°C	2 years	Specific Gravity: (ASTM D-792)	1.39 ± 0.03 Mixed
Mixing Ratio:	2:1 by volume		

TYPICAL PROPERTIES OF APPLIED FILM

Pot Life: (100 gram @ 25°C)	40 minutes	Thickness:	30 mils minimum
Dry Time: (25°C, ASTM D1640)	Tuch Time: 4 hrs Dry Hard: 10 hrs	Flexibility: (CSA Z245.20-06)	2.93°PPD @ 25°C 1.96°PPD @ 0°C 0.54°PPD @ -30°C
Cured Hardness Shore D: (25°C, ASTM D2240-91)	80		
Impact Resistance: (-30C, 0°C or 25°C, ASTM D256)	1.5J Pass	Adhesion to Steel: [25°C/77°F] ASTM D-4541-Type IV	2800 PSI
Cathodic Disbondment: (28 d, CSA Z245.20-06 modified)	4.4 mm @80°C/wet surface 4.0 mm @80°C/damp surface 4.1 mm @80°C/dry surface 1.5 mm @22°C/wet surface 1.9 mm @22°C/damp surface 1.8 mm @22°C/dry surface	Hot Water Soak Adhesion: #1 (28d, 75°C, CSA Z245.20-06)	

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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: Near White.
- 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 – 3.5 mils maximum.
- 2.3 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.

III. TEMPERATURE DURING APPLICATION

- 3.0 Substrate Temperature Range: 10°C minimum.
- 3.1 Product is capable of curing down to 10°C (50°F) but the Dry Time will be extended.

IV. 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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