



Highland International, Inc.

Engineered Paint Systems

79-LH Series
2-K Epoxy Primer/DTM

79-LH Series is a multi-purpose, high build epoxy designed for use on a wide variety of surfaces and environments. Due to high film build and adhesion, it is ideal for areas that have deep pitting or marginally prepared surfaces. 79-LH Series operates well under intermittent surface temperatures up to 350°F and continual temperatures to 300°F. Due to its increased heat resistance and chemical resistance, it is an excellent product for Hot Mix Asphalt plant baghouse interiors. It has an eggshell finish that may be applied up to 5 mils DFT for normal conditions and up to 10 mils DFT for baghouse interiors.

Vehicle Type:	Polyamide Adduct Epoxy
Pigmentation:	Lead Free
Reducer:	Not Normally Required Highland #100 Reducer if desired
Mix Ratio:	1:1 (1 Part Base to 1 Part Activator)
Pot Life:	6 Hours @ 77°F (Decreases at higher temperatures)
Volume Solids:	56%
Theoretical Coverage:	896 ft ² /gal. @ 1mil DFT
VOC:	<368 g/L
Flash Point:	54°F (Lowest Flashing Component)
Recommended DFT:	3-5 mils 8-10 mils for baghouse interiors

Dry-time:

To Touch	1-2 Hours
Tack Free:	2-3 Hours
To Recoat:	1 Hour
To Handle	6-8 Hours
Put in Service:	12 Hours

Shelf Life: 2 Year from DOM

Finish: Flat

Color: Yellow

Preparation

1) Surface preparation should be in accordance with SSPC-SP6 Commercial Blast Cleaning. When abrasive blast cleaning is not an option, SSPC-SP3 Power Tool or SSPC-SP2 Wire Brushing are acceptable and provide good results. SSPC-SP12 Water-jetting is also acceptable.

- 2) Minimum surface preparation for immersion or under insulation should be in accordance with SSPC-SP5 White Metal Blast.
- 3) All surfaces to be painted should be clean, dry and free of all foreign contaminants.

Mixing and Application Requirements

- 1) Mix 1 Part "A" Activator with 1 part "B" Base (1:1 by volume)
- 2) Mixed material is ready for use after a 30 minute induction period.
- 3) Apply at a rate of 179-224 square feet per gallon to obtain the recommended dry film thickness of 4 to 5 mils. Apply at a rate of 90 to 112 square feet per gallon to obtain 8-10 mils DFT.

Method of Application

Conventional Gun: DeVilbiss MBC-510

Fluid Tip: E

Air Cap: 704

Atomizing Pressure: 70 psi

Pot Pressure: 15-20 psi

Hose: ½ inch ID

Airless Gun: Graco 205-591

Pump: 30:1/45:1/60:1, gas driven pump

Tip Range: 3.011 – 4.015

Pump Pressure: 1800 psi minimum

Hose: 3/8 inch ID

Brush or Roller: Natural or synthetic bristle

Clean Up: Clean all equipment with MEK

Safety Precautions

- 1) Use normal precautions such as gloves, facemasks and barrier creams.
- 2) Adequate ventilation must be maintained. In confined areas, workmen must wear constant flow airline respirators.
- 3) If product comes into contact with skin, wash thoroughly with lukewarm water or diluted Boric Acid, and obtain immediate medical attention.
- 4) This product contains **FLAMMABLE** materials. Keep away from sparks and open flames. Observe **NO SMOKING** regulations.
- 5) All electrical equipment and installations should conform to NEC regulations. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools, and to wear conductive, non sparking shoes.
- 6) Observe low flash regulations.
- 7) Refer to (MSDS) for complete safety instructions.

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