



Highland International, Inc.

Engineered Paint Systems

79-HA Series Hot Application 2-K Epoxy DTM

79-HA Series is a Direct to Metal 2-component epoxy designed for intermittent surface temperatures to 350°F and continual surface 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. 79-HA has the same properties as 79-LH but has been modified so with the proper reducer it may be applied direct to hot surfaces up to 275°F.

Vehicle Type:	Polyamide Adduct Epoxy
Pigmentation:	Lead Free
Reducer:	#101 Hot Application Reducer
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:	3.04 lbs/gal. (364 g/L)
Flash Point:	54°F (Lowest Flashing Component)
Recommended DFT:	4-5 mils DFT 8-10 mils for baghouse interiors
Dry-time:	
To Touch	N/A
Tack Free:	2-3 Hours
To Recoat:	N/A
To Handle	Immediately
Put in Service:	N/A
Shelf Life:	2 Year from DOM
Finish:	Flat
Color:	Metallic or 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, Reduction 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) After induction period, reduce activated material 20% with Highland #101 Reducer and apply in multiple successive coats to achieve proper DFT.
- 4) 79-HA may be applied to surface temperatures of 275°F.

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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