

# HIGHLAND INTERNATIONAL

## Engineered Paint Systems

### 79 Series Epoxy "Direct to Metal" High Performance -- High Solids

79 Series is a two-component Direct to Metal Epoxy. 79 Series is designed for interior baghouse applications due to its increased heat resistant properties as well as decreased surface preparation needs. 79 Series dries to an eggshell finish that may be applied up to 6 dry mils per coat. 79 Series may be applied to surface temperatures up to 225°F.

#### **PHYSICAL PROPERTIES**

Vehicle Type:	Polyamide Adduct Epoxy	Dry Time:	To Touch – 1-2 Hours To Recoat – 8 Hours
Pigmentation:	Lead Free	Recommended DFT:	4 - 6 Mil
Thinner:	Highland #100 (for ambient temperatures) Highland #101 (for hot surface applications)	Finish:	Eggshell
Mixing Ratio:	1 Part Base to 1 Part Activator	Color:	Metallic
Pot Life:	@ 77°F 6 hours – decreases substantially in higher temperatures	Shelf Life:	2 Year Minimum
Flash Point:	106°F (Lowest Flashing Component)	Weight::	10.5 Lbs Per Gallon
Volume Solids:	56%	Heat Resistance:	Engineered for interior baghouse conditions
Theoretical Coverage:	896 Sq. Ft. per Gallon @ 1 Mil DFT	VOC:	(mixed gal.) 3 lbs per gal.

#### **PREPARATION**

- Minimum acceptable surface preparation should be in accordance with SSPC-SP-32 Wire Brush Cleaning for temperatures below 300°F.
- Minimum acceptable surface preparation should be in accordance with SSPC-SP-6 Commercial Blast for temperatures above 300°F.

#### **APPLICATION**

- Mix entire contents of part "A" activator to part "B" base 1 to 1 by volume.
- Mixed material is ready for use after a 30 minute induction period.
- Ambient Surface Temperature Application – Apply in one coat to achieve 4 – 6 mils DFT
- \*\*Hot Surface Applications – **Reduce activated material 20% with Highland #101 reducer** and apply in two coats to achieve proper DFT
- \*\*Apply at a rate of 150 to 224 square feet per gallon to obtain recommended film thickness.
- May see normal service after 24 hours.

Method of Application: Airless

#### **AIRLESS SPRAY**

Gun	Graco 205-591
Pump	30:1
Tip Range	3.013 - 3.017 or 4.013 – 4.017 @ 2400 psi
Hose	3/8 ID

Brush or Roller: Natural or synthetic bristle recommended

Clean Up: After use, clean all equipment with lacquer thinner

**Safety Precautions:** (a) Use normal precautions such as gloves, face masks, and barrier creams. (b) Adequate ventilation must be maintained. In confined areas, workmen must wear constant flow airline respirators. (c) If product comes into contact with the skin, wash thoroughly with lukewarm water and soap. If eyes are contaminated, flush with water or diluted Boric Acid, and obtain immediate medical attention. (d) This product contains FLAMMABLE materials. Keep away from sparks and open flames. Observe NO SMOKING regulations. (e) 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. (f) Observe low flash regulations. (g) Refer to Material Safety Data Sheet (MSDS) for complete safety instructions.

The technical data listed herein has been compiled for your convenience and guidelines, and is based upon our experience and knowledge. However, since we have no control over the use of this information or this product, no warranty, express or implied, is intended or given. Highland assumes no responsibility whatsoever for coverage, performance, or any other damage, including injuries from use of this information of products recommended herein. JW 09-23-03

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