

HIGHLAND INTERNATIONAL

Engineered Paint Systems

77 Series HiGrip High Solids Epoxy "Direct to Metal" Surface Tolerant

HiGrip is a two component DTM surface tolerant epoxy specifically formulated to alleviate extensive surface preparation and multi-product coating systems. HiGrip may be applied over minimally prepared surfaces (rusty steel and deteriorated previously painted surfaces). HiGrip dries to an eggshell finish that may be applied up to 6 dry mils per coat. A complex rust inhibitor system serves to assure excellent corrosion protection in the HiGrip single coat system or when using HiGrip as primer.

Vehicle Type:	Polyamide Adduct Epoxy	Dry Time:	To Touch – 1-2 Hours
Pigmentation:	Lead Free		To Recoat – 8 Hours
Thinner:	Highland #100	Recommended	
Mixing Ratio:	1 Part Base to 1 Part Activator	DFT:	6-8 Mils
Pot Life:	@ 77°F 6 hours – decreases substantially in higher temperatures	Finish:	Eggshell
Flash Point:	106°F (Lowest Flashing Component)	Color:	Slate Gray
Shelf Life:	2 Year Minimum	Volume Solids:	55%
Theoretical		Weight:	10.5 Lbs Per Gallon
Coverage:	880 Sq. Ft. per Gallon @ 1 Mil DFT	Heat	
		Resistance:	250°F
		VOC:	(mixed gal.) 3.2 lbs/gal.

Application Requirements: (1) For immersion, temperature and added chemical resistance, prepare surface to SSPEC-10 Near White Metal Blast. (2) Minimum acceptable surface preparation should be in accordance with SSPEC-SP-2 Hand Tool Cleaning. May be applied over tightly bonded rust or mill scale. (3) 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. (4) Apply at a rate of 120 to 160 square feet per gallon to obtain recommended film thickness. Allow 1 week before being put into immersion service after application. 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.-13 – 4.017 @ 2400 psi
Hose	3/8 ID

CONVENTIONAL SPRAY

Gun	DeVilbiss MBC-510
Fluid Tip	E
Air Cap	704
Atomizing Pressure	60 psi
Pot Pressure	15-20 psi
Hose	½ inch 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.

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