

HIGHLAND INTERNATIONAL

Engineered Paint Systems

HiTemp #802 Series 600°F Direct to Metal (Gray)

HiTemp #802 Series is a silicone alkyd high heat coating effective up to 600°F used primarily in the hot mix asphalt industry for a protective coating on steel drum mixers and dryers. 802 is limited to under 3.5 lbs. VOC per gallon and is to be applied direct to steel surface in two (2) coats.

Vehicle Type:	Silicone Alkyd	Dry Time:	To Touch – 30 Minutes
Pigmentation:	Titanium Dioxide & Black Iron Oxide		Tack Free – 2 Hours
Thinner:	Summer – if desired – Highland #100		To Handle – 4-5 hours
	Winter – if desired – Highland #120	Recommended	
Mixing Ratio:	Single Package	DFT:	3-4 Mills
Pot Life:	Not Applicable	Finish:	Eggshell
Flash Point:	19°F (Lowest Flashing Component)	Color:	Gray
Volume Solids:	51%	Shelf Life:	1 Year Minimum
Theoretical		Weight:	9.5 Lbs. Per Gallon
Coverage:	816 Sq. Ft. per Gallon @ 1 Mil DFT V.O.C.:		3.49 Lbs/Gal (417 g/Liter)

Application Requirements: (1) Minimum acceptable surface preparation should be in accordance with SSPC-10 Near White Metal Blast. A low profile blast (less than 1.0) Mil is preferred, particularly if exterior surfaces will not experience high temperature service for more than one week after application. (2) Stir product thoroughly prior to use. (3) Apply at a rate of 160 to 340 square feet per gallon to obtain recommended film thickness.

Special Notes: (1) Apply directly to steel in one coat. (2) #802 HiTemp Gray may show slight discoloration if subjected to temperatures exceeding 400°F but will remain intact up to 600°F. (3) Special formula #802 may be applied in one coat directly to hot surfaces not exceeding 350°F. (4) Allow 12 hours cure time before putting into service.

Method of Application: Conventional Spray or Airless

CONVENTIONAL SPRAY

Gun	Devilbiss MBC-510
Fluid Tip	E
Air Cap	704
Atomizing	
Pressure	60 psi
Pot Pressure	15-20 psi
Hose	3/8 inch ID

AIRLESS SPRAY

Gun	Graco 205-591
Pump	30:1
Tip Range	3.011– 3.017 or 4.011– 4.017
	@ 1800 psi

Thinning: Normally Unnecessary

Brush or Roller: Touch-up only

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.

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