



Highland International, Inc.

Engineered Paint Systems

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RECOMMENDED PAINT FOR HMA PLANTS

To provide the best protection for all areas, HMA Plants are divided into 3 groups:

1. Areas without elevated temperatures
2. Hot areas ambient to 1000°F
3. Drum Mixers and Dryers 250°F to 1300°F

It is important to assess HMA plants carefully regarding temperatures. For instance, a baghouse operating with a max surface temperature of 290°F requires 860 Primer and 865 Topcoat. Ductwork operating at a higher temperature, requires 860 Primer, 15-ZN Primer or 74 AcidTemp Primer with 805 Series Topcoat for greater aesthetic durability. Based on your operating temperatures, use the chart below to choose products for optimum performance. These products are formulated specifically for HMA facilities and provide the best protection available.

HMA PLANT COMPONENTS WITHOUT ELEVATED TEMPERATURES

Storage Silos Cold Feed Bins Conveyors Stands

Product	Description:	
77 Series Epoxy Primer/DTM	Polyamide Adduct 2-K Epoxy Eggshell finish Not for areas with elevated temperatures	77 Series is a 2-K Epoxy Primer/DTM specifically formulated to eliminate extensive surface preparation and multi-product coating systems. It may be applied over minimally prepared surfaces (rusty steel & deteriorated previously painted surfaces) and because of its complex rust inhibitor system will provide excellent corrosion protection. It may be used as a primer or as a single coat Direct to Metal system.
84-1024 Structural Primer	"Fast Dry" Phenolic Modified Alkyd Rust Inhibitive Primer Not for areas with elevated temperatures	84 Primer Provides excellent corrosion protection and adhesion. A complex system of rust inhibitors protects plants and equipment even in harsh weather and working environments.
150C Series Topcoat	High Performance Alkyd Topcoat with premium Gloss & Color retention when compared to generically similar products. Not for areas with elevated temperatures	150C Series Topcoat is an excellent economical choice for surfaces without elevated surface temperatures. High performance resin and pigment selection assures longer lasting durability when compared to generically similar topcoats.
865 Series HiTemp Topcoat	HiTemp High Solids Modified Silicone Alkyd Topcoat For areas ambient to 400°F Will loose color purity at approx 350°F	865 Series HiTemp Topcoat is designed for surfaces with elevated temperatures, but because of its UV protection, quality and durability, it is also used on areas without elevated temperatures. It is flexible and will maintain longer gloss and color purity than the 150C.

HMA PLANT COMPONENTS WITH ELEVATED TEMPERATURES to 1000°F

Batch Tower Intake Breaching K-O Box Cyclone Exhaust Stack Drag Chain Ductwork Baghouse (Interior and Exterior)

Product	Description:	
860-4058 HiTemp Primer	HiTemp Modified Silicone Alkyd Primer For areas ambient to 400°F	860 Primer is fortified with a complex system of rust inhibitors and provides excellent corrosion and heat protection for areas up to 400°F.
15-ZN-4074 Dry-Fall HiTemp Silicone Zinc Primer	HiTemp Dry-Fall Silicone Zinc Copolymer Primer Heat Protection up to 1000°F.	15-ZN is a special Silicone Zinc primer that offers cathodic protection up to 1000°F. Topcoat this primer only with Highland International 805, 807, 808, or 810.
74 Series Acid-Temp	High Build 2-K Epoxy-Hybrid for surfaces up to 500°F	74 Series Acid-Temp is specifically formulated to alleviate extensive surface prep while providing excellent temperature resistance up to 500°F. It provides great protection against strong acids and is ideal for baghouse interiors.
865 Series HiTemp Topcoat	HiTemp High Solids Modified Silicone Alkyd Topcoat For ambient areas or excursions up to 400°F Will loose color purity at approx 350°F	865 Series Topcoat is a high temperature topcoat but is frequently used on cold areas as well because of its UV protection, quality & durability. It is an excellent high gloss product with the flexibility needed to endure changing surface temperatures. 865 will remain intact in constant temperatures of 375°F and excursions to 400°F. It will loose gloss at 300°F and color purity at approximately 350°F.
805 Series HiTemp Topcoat	HiTemp 1000°F Silicone Copolymer Topcoat Flat Finish Requires Minimum 250°F to cure	805 Series is a remarkable product for plants running hotter mixes. It protects the trouble zones of HMA plants that reach temperatures 250°F and above. It is color stable to 450°F and will remain intact to 1000°F. Apply only to areas reaching a minimum 250°F. Prime with HiTemp 860 Primer, 15-ZN Zinc Primer or 74 Series AcidTemp.

HMA PLANT COMPONENTS WITH ELEVATED TEMPERATURES from Minimum 250°F - 1300°F

Drums/Dryers Intake Breaching K-O Box

Product	Description:	
810 HiTemp Super Drum Mixer Black	HiTemp 1300°F Silicone Copolymer DTM 810 Black, 808 Gray & 807 Aluminum	This DTM is made specifically for drum mixers and dryers and has an excellent track record in the HMA industry.