

HIGHLAND INTERNATIONAL

Engineered Paint Systems

#860 Series HiTemp One Coat High Solids Primer for the Hot Mix Asphalt Industry

HiTemp High Solids Primer is a single package silicone alkyd primer designed for heat affected zones up to 400°F. It is limited to under 3.5 lbs. VOC per gallon. It offers maximum adhesion and corrosion protection even in limited surface preparation areas. The 860 Series may be topcoated with a wide range of topcoats (silicone alkyds, alkyds, urethanes, & acrylics). It's light color allows lead-free orange, yellow & red topcoats to be applied in only "one coat" for proper hiding. To further increase corrosion protection, the 860 Series' light color is designed to show shadows in the steel surface until proper film thickness has been achieved.

Vehicle Type: Silicone Alkyd
Pigmentation: Zinc Phosphate (Lead & Chromate Free)
Thinner: Summer – if desired – Highland #100
Winter – if desired – Highland #120
Mixing Ratio: Single Package
Pot Life: Not Applicable
Flash Point: 45°F (Lowest Flashing Component)
Volume Solids: 52%
Theoretical Coverage: 832 Sq. Ft. per Gallon @ 1 Mil DFT

Dry Time: Set to Touch - 20 Minutes
Tack Free – 1 Hour
To Topcoat – 1-2 Hours
To Handle – 2-3 Hours
Recommended DFT: 2 –3 Mils
Color: Light Yellow
Finish: Flat
Shelf Life: 1 Year Minimum
VOC: 3.45 Lbs. per Gallon (416 Grams/Liter)

Application Requirements: (1) Minimum surface preparation should be in accordance with SSPC-SP6 Commercial Blast Cleaning. When Abrasive Blast Cleaning is not practical, SSPC-SP3 Powertool or Wire Brushing is acceptable and provides good results. (2) Stir product thoroughly prior to use. (3) Apply at a rate of 277 to 416 square feet per gallon to obtain recommended film thickness in one coat. (4) Topcoat with Highland 865 Series, 835 Series, 150 Series, or 36 Series.

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 20 psi
Hose ½ inch ID

AIRLESS SPRAY

Gun Graco 205-591
Pump 30:1
Tip Range 3.013 – 3.015 or 4.013 – 4.015 @ 1800 psi min.
Hose 3/8 inch ID

Brush or Roller: Both are acceptable

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. Spectrum Paint 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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