Technical Data
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SteelKote™ 826

Fast-Dry Zinc
Epoxy Primer

Description:

Steelkote 826 is a high performance VOC compliant, fast cure zinc epoxy primer designed to provide excellent corrosion control by using corrosion resistant, zinc pigments. This engineered formulation provides superior hide, hold out and excellent protection on sharp edges. SteelKote 826 offers fast recoat and cure schedule, optimizing production and lowering costs. It is a DTM surface tolerant epoxy primer that offers excellent adhesion to a variety of surfaces due to its specially engineered curing agent. An excellent primer for commercial, industrial and marine use where extreme durability and fast recoat is required. Superior resistance to fresh and salt water, detergents, solvents and corrosive chemicals.

Advantages:

- Fast Cure Schedule
- Excellent Corrosion Resistance
- Superior Chemical Resistance
- VOC Compliant
- Excellent adhesion to a variety of substrates

Uses:

- Heavy-Duty Machinery
- Trailers
- Containers
- Implements
- Exterior Steel Structures

Material Properties

Gloss Level	Satin
Density	14.8 lb/gal Mixed
Volume Solids	54% mixed
VOC	2.8 /lbs./gal, 336 gm/ltr
Dry Film Thickness	3.0-7.0 mils
Colors Available	Zinc Gray
Pot Life (68°F/20°C)	4 Hours
Theoretical Coverage	283 s.f/gal at 3 mils DFT
Practical Coverage	As a guideline for airless spraying on large dimensions: 70% of theoretical coverage. For small dimensions: 50%

Surface Preparation:

New or Unfinished Surfaces:

Ferrous Metal: For best performance, application to abrasive blasted surface is recommended. “Commercial Blast Cleaning” (SSPC-SP6) is recommended as the minimum for blast cleaning. Proper blast media and blasting equipment shall be used to produce an average profile depth of 1.5 mils minimum to 2.5 mils maximum. Do not reuse abrasive media. Remove blasting dust and grit from surfaces before painting. Blasted surfaces should be coated within 8 hours after blasting or before rusting or other contamination of the surface occurs. If blasting is not possible, use “Hand or Power Tool Cleaning: (SSPC-SP2 or -SP3).

Galvanized Metal: Clean all contamination by scrubbing with a cleaning soap solution. Rinse clean with water and allow to dry.

Aluminum: Brush blast, sand or abrade surface. Clean all contamination by scrubbing with a with a cleaning soap solution. Rinse clean with water and allow to dry. Otherwise prime with a Wash Primer or etch with a phosphoric acid pretreatment solution is recommended for maximum adhesion.

Previously Painted Surfaces: Repair all damaged areas. Remove gloss from previous paint by sanding or “Brush Blasting” (SSPC-SP7) Remove any rust, heavy chalk and loose or peeling paint by “Hand or Power Tool Cleaning.” (SSPC-SP2 or -SP3). If doubt exists concerning compatibility of this coating with the previous system, apply coating to a representative area (25 square feet minimum) and allow to cure and age several weeks. Then inspect for adhesion failure, wrinkling, lifting, blistering or any or any other sign of incompatibility. If there are no issues, coating work can proceed.

Mixing Instructions

Activator	Mix Ratio	Instructions / Notes
ACT-8511	3 parts 826: 1 part ACT-8511	Allows for 30-45 minute minimum recoat up to 24 hours with all Baril Topcoats

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Application Instructions

Spray Method	Airless	Air Assisted Airless	Air Spray / HVLP
Thinner	not recommended	not recommended	Xylene
Quantity	N/A	N/A	5-10%
Nozzle or Tip Size	0.013 to 0.015	0.011 to 0.015	1.2 to 1.4
Fluid Pressure	1500 to 3000 PSI	800 to 1300 PSI	20-40 PSI
Air Pressure	50 PSI	30 PSI	30-60 PSI
Dry Film Thickness	2.0-4.0 Mils	2.0-4.0 Mils	2.0 to 4.0 Mils

Performance Characteristics

Impact (Direct & Indirect) ASTM D-2794	80 in lbs. / 30 in lbs.
Chemical Resistance	100 Double MEK Rubs
Flexibility: ASTM 522 Conical Mandrel	No Cracking - .25”
Adhesion (Cross Hatch) ASTM D 3359:	Excellent - 5A
Salt Spray ASTM B-117	3000 hrs.

Dry Times: 70°F @ 2-4 mils DFT

To Touch:	20 Minutes
To Handle:	2-4 Hours
To Re-Coat:	30-45 Minutes Min to 24 Hours Max
Force Cure:	20 Mins @ 150° F

Health & Environmental:

In accordance with OSHA regulations on hazardous materials, harmful and irritating if in contact with skin, eyes and by inhalation. Observe safety information from MSDS sheets. Always wear proper protective suits, gloves and eye protection. In case of eye contact, immediately wash with large amounts of water and contact a medical expert. If spraying, always wear proper NIOSH approved respirators. Fresh air fed respirators are preferred. Do not eat, drink or smoke during application. Discharge, treatment or disposal is subject to federal, state, commonwealth, provincial and local laws. Since empty containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind or weld on or near this container.

Cleaning Instructions:

Cleaning tools: Clean immediately after application using MEK or Lacquer Thinner.

Warranty / Disclaimer:

The technical data and other printed information furnished are true and accurate to the best of our knowledge. The products are warranted pursuant to acceptance of limited warranty. A copy of which can be obtained from Baril Coatings, which is the exclusive warranty with respect to the sale of this product. The modification of any component or uses not outlined in this bulletin nullifies the warranty unless advance written confirmation is obtained from Baril Coatings. No other warranties expressed or implied shall apply. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, shall be to supply replacement materials as set forth in the limited warranty.

SteelKote™
designed to endure

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Sustainable Coating Solutions
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