

DESCRIPTION

Sun/Poxy Metal Primers are a high performance 2K Water-Based Epoxy designed for use on interior or exterior metal surfaces. This product offers a matte finish that has a excellent corrosion resistance, excellent adhesion, superior weatherability.

ADVANTAGES

- VOC 3.453 lbs/gal (414.4 g/l), on mixed material A + B.
- Excellent corrosion resistance
- Excellent chemical resistance
- Free of lead and chromate hazards
- Application by various spray methods

SURFACE PREPARATION

Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, any contamination, and surface passivation treatments to ensure optimum adhesion and coating performance properties.

New Galvanized Steel: Use appropriate preparation method.

Aged Galvanized Steel: Use appropriate preparation method.

Steel or Iron: Clean surfaces with Sun/Clean prior to any surface preparation to remove oils. Remove rust, mill scale, and oxidation products per SSPC.SP2 or SSPC.SP3 For best results, sandblast to SSPC.SP6, Commercial Blast.

Painting over Existing Finish: Applying to a previously coated surface requires spot testing to verify compatibility. See Sunburst Coatings Sales Representative for further details.

APPLICATION

MIXING Ratio:

5 parts Comp A to 1 part Comp B. Use mechanical agitation.
A 30 Minute induction period required.

POT LIFE:

3 hours @ 75°F. Higher ambient temperatures will substantially reduce pot life. Use Caution after mixing, the chemical reaction can not be stopped. DO NOT USE and Discard any mixed material after 3.5 hours. Material begins to loose mechanical properties even though it remains fluid after 4 hours.

APPLICATION TEMPERATURE:

Substrate temperature between 55° to 100° F

APPLICATION EQUIPMENT

Conventional Spray:

Binks #7 gun with 36 x 36SD air cap
Reduction: None

Note: Use oil & water extractor in air line per manufactures instructions. Drain daily or more often as needed especially in area or period of high humidity.

Airless Spray:

Reduction: none
Pressure: 1800-2300 psi
Tip: .013"

Air Assisted Airless:

Air pressure: 15-30 psi
Fluid Pressure: 600-900 psi
Cap/Tip: .011" - .013"
Reduction: none

HVLP: (Mach I)

Air Pressure: 70-90 psi
Fluid Pressure: 3-10 psi
Fluid nozzle: #94 (.055")
Reduction: none

Thinning: Do Not Thin

CLEAN-UP

Clean with Water and or Acetone. Follow solvent manufacturer's safety recommendations when using any solvent.

CHARACTERISTICS

GLOSS: Matte 15-25

COLOR: White, Dark Gray and Red Oxide

SOLIDS BY WEIGHT: 61.1 ± 2% (may vary by color)

SOLIDS BY VOLUME: 42.4 ± 2% (may vary by color)

VISCOSITY:
82 KU +/-

RECOMMENDED FILM THICKNESS

Mils wet: 3.0 – 3.9
Mils dry: 1.0 – 1.3

RECOMMENDED SPREADING RATE: (no application loss)
@ 1 mil dft: 560 ft²/gal

DRYING SCHEDULE: 1.0 mils dft, 77°F,
Mixed Material after 30 minute induction time.

To touch: 1.0 hour
Tack free: 1.5 hours
To handle: 3.0 hours
To recoat: 24 hours

NOTE: Good air movement and humidity control are necessary for proper drying of coatings. Coating millage and substrate temperature effect the above drying schedule. Please contact your salesman if you are unsure how environmental conditions may affect your results.

FLASH POINT (mixed material): 150° F

WEIGHT PER GALLON (mixed material):
12.03 lbs/gal +/-, varies by color

PACKAGE LIFE:
1 year, unopened, un-catalyzed

PERFORMANCE TESTS:

STORAGE

WINTER:

Store inside a building, preferably with heat to maintain a climate of no less than 50° F. If stored outside, protect with blanket material and store under canopy if possible. Do Not allow product to FREEZE.

SUMMER:

PROTECT FROM EXTREME HEAT:

Store inside a building or under canopy to prevent direct sunlight exposure.

MIXING:

Stir well before use, until homogeneous.
Paints contain inert pigments which can settle.

CAUTIONS

Do not apply product to exposed steel if threat of rain is imminent.

Thoroughly review product label for safety and cautions prior to using this product. A Safety Data Sheet is available from our web site or your local Sunburst Coatings Distributor. Please direct any questions or comments to your local Sunburst Coatings Distributor.

Note: The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable.

Note: Sunburst Coatings believes the technical data presented in this bulletin is currently accurate: however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date information visit our web site or contact your local Sunburst Coatings Distributor.

As of Date: 4/1/2024

VOC

COATING VOC: 3.45 #/gal or 414 g/l on mixed material
This is an “artificial” VOC computation that the EPA and AQMD use to regulate paints and coatings that contain either water or exempt solvents. The *COATING VOC* is sometimes called the *Regulatory VOC*, and this is the VOC that air quality districts use to determine whether or not the paint is in compliance with the limits set by a rule.

MATERIAL VOC: 1.91 #/gal or 229 g/l on mixed material
This is the *actual or real amount of VOC that a gallon of paint contains*. Always use the MATERIAL VOC to calculate actual VOC emissions.