



MoPoxY™ ZRV
Zinc Rich Epoxy Primer
40-CM-17
 Zinc Rich Epoxy

PRODUCT DESCRIPTION
TYPICAL USES
PRODUCT ADVANTAGES
COLORS
GLOSS
PHYSICAL CONSTANTS
APPLICATION
SHIPPING & STORAGE

A two component organic zinc rich epoxy primer offering galvanic substrate protection. 3.5 lb. VOC per gallon.

For industrial and commercial use as a protective maintenance primer for industrial plants, pulp and paper mills, textile mills, chemical processing plants, waste water plants, refineries, food processing plants, commercial buildings and marine structures. For coating and protecting storage tanks, piping, roofs and roof decks, water towers, structural steel, machinery, plant equipment, marine vessels, offshore structures and other surfaces exposed to humidity, chemicals and corrosive environments. Excellent for touch-up of inorganic zinc-rich primers. Topcoat recommended for severe exposures. Excellent primer for the MoPoxY™ brand of epoxy coatings.

MoPoxY™ ZRV used as part of a three coat system in conjunction with the MoPoxY™ brand of epoxy coatings and MOTHANE™ Polyurethane offers excellent protection in exposures including moderate to severe industrial and marine environments. Excellent resistance to fresh and salt water, detergents and most chemicals. Excellent abrasion and moisture resistance. Low VOC. Free from lead, chromates and crystalline silica.

Greenish Gray

Flat

Nonvolatile - By weight - 77.6 ± 2.0%
 By volume - 50.0 ± 2.0%
VOC (Calculated)- 3.5 lbs./gal.
 419 grams/liter

Flash point - 60°F (Setaflash) (mixed)

Weight per gallon - 15.6 ± 0.2 lbs. (mixed)

Recommended Film Thickness - 3.0 mils dry, 6.0 mils wet.

Theoretical Coverage @ 3.0 mils dry - 267 sq.ft./gal

Method - Conventional & airless spray

Thinner - See "Thinning" section on back

Cure Time @ 75°F - To touch - 15-30 minutes
 To handle - 1 hour
 To recoat - 2 hours (min.)

Induction time - none required above 60°F.

Pot Life @ 75°F - 5 hours minimum at 75°F.

Consists of -	1 Gallon Unit	5 Gallon Unit
Part A	1 Gallon (SF)	5 Gallon (SF)
Part B	1 Quart (SF)	1 Gallon
Unit Shipping Weight	17 lbs	83 lbs

Shelf Life - 6 months minimum from date of manufacture when maintained in protected storage @ 40-100°F (subject to reinspection thereafter).

APPLICATION INSTRUCTIONS

Consult your Mobile Paint Representative for the protective coating system best suited for your requirements.

Limitations: Apply in good weather when air and surface temperatures are above 50°F and surface temperature is at least 5°F above the dew point. For optimum application properties, material should be between 70 to 100°F prior to mixing and application. Maintain unmixed material in closed containers in protected storage at 40 - 100°F.

Surface Preparation: Good surface preparation is essential to a satisfactory coating system. Surfaces to be coated should be clean and dry. Remove all oil, grease, mildew or other contamination by solvent or detergent cleaning or other effective means.

New or Unfinished Surfaces: For application to abrasive blasted steel surfaces only. "Commercial Blast Cleaning" (SSPC-SP6) is recommended as minimum for less critical service. For best performance in areas of high moisture, condensation, splash, spillage, etc., surface preparation should be "Near White Blast Cleaning" (SSPC-SP10). Proper blast media and blasting equipment shall be used to produce an average profile depth of 1.5 mils minimum. 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.

Previously Finished Surfaces: This coating is for application directly to abrasive blasted ferrous metal surfaces only. Completely remove all other previous finishes as under "New or Unfinished Surfaces" above.

Mixing: This is a two component coating supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. (1) Mix the contents of Component A thoroughly with a power agitator. (2) Combine the entire contents of Component A and Component B and mix thoroughly with a power agitator. (3) Strain material through a 40 mesh screen into an agitated pot. (4) Agitate at slow speed during use to keep zinc dust in suspension. No induction time is necessary at temperatures above 60°F.

Topcoats: Applicable topcoats include MoPoxY™, MoPoxY™ TF, MoPoxY™ ST, MoPoxY™ Plus, MoPoxY™ Mastic, MoPoxY™ HB and Deck Armor.

Thinning: This material is supplied at normal spraying viscosity. If thinning is necessary thin up to 1 pint per gallon with MoPoxY™ Brushing Thinner 75-35. Adding thinner may exceed local VOC regulations.

Application: Application by conventional or airless spray is recommended for best results. Keep the material pressure pot at or near the level of the gun. Keep material hoses as short as possible (25 feet maximum recommended). Apply at 6.0 mils wet film thickness which will yield 3.0 mils dry film thickness. Maintain low speed agitation during application.

Equipment: Conventional spray - For pressure feed, use DeVilbiss MBC gun with E tip and needle and 704 air cap or equivalent at 40-45 psi atomizing pressure and 8-12 psi fluid pressure, 3/8" ID material hose, double regulated, agitated pressure tank with oil and moisture separator. Airless spray - Minimum of 30:1 ratio pump, .015"-.017" orifice tip, 3/8" ID material hose. Special packing may be necessary due to the abrasive nature of the zinc dust in this product.

Cleanup: Clean all equipment immediately after use with MoPoxY™ Brushing Thinner 75-35. Completely flush all spray equipment with this solvent. Occasional flushing of spray equipment during the course of the working day helps prevent buildup and possible clogging.

Safety: Safe storage, handling and use dictate that adequate health and safety precautions be observed with this product and any recommended thinners. User is specifically directed to consult the current Material Safety Data Sheet for this product as well as precautions contained on product labeling.

Notice: The technical data contained herein are true and accurate to the best of our knowledge. All products are offered and sold subject to Mobile Paint Manufacturing Company's Standard Conditions of Sale. Published technical data and instructions are subject to change without prior notice.

40-CM-17(3/16)

LIMITED WARRANTY

The successful performance of this product is highly dependent on many factors beyond our control. Results are highly dependent upon the skill of the operator. This product is manufactured to meet the highest level of consistency and quality for the intended use. Mobile Paint warrants that its products meet the specifications which it sets for them. Should this product be proven to be off-specification within one year from date of shipment, Mobile Paint will, at its sole discretion, either replace the product or issue credit for the original purchase price of the product. The replacement or refund shall be the buyer's sole remedy and Mobile Paint and its affiliates **MAKE NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY, DESIGN COMPATIBILITY AND FITNESS FOR A PARTICULAR PURPOSE. LABOR OR COST OF LABOR AND OTHER INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED.** The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.