



Mo-Zinc™ 3 Inorganic Zinc Rich Primer 28-DH-50

Inorganic Zinc Rich

PRODUCT DESCRIPTION
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PRODUCT ADVANTAGES
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A two component high performance ethyl silicate based zinc rich primer which provides galvanic protection to properly prepared steel surfaces. Contains 88% zinc in the dry film for excellent corrosion protection.

For industrial and commercial use as a protective 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 structures exposed to humidity, chemicals and corrosive environments. High performance topcoats are recommended for severe chemical exposures.

Mo-Zinc™ 3 Inorganic Zinc Rich Primers offers excellent galvanic protection from corrosion exposures including moderate to severe industrial and marine environments. Excellent resistance to fresh and salt water, detergents and most chemicals. Very good resistance to most organic solvents. Excellent abrasion and moisture resistance. *Heat resistant to 750°F.

COLORS Reddish Gray

GLOSS Flat

Nonvolatile - By weight - 77.5 ± 1.0%
By volume - 63.9 ± 1.0%

VOC (Calculated) - 3.88 lbs./gal.
462 grams/liter

Flash Point - (A) 59°F; (B) None (Setaflash)

Weight per gallon - 20.7 ± 0.2 lbs.

Recommended Film Thickness - 3.0 mils dry, 4.7 mils wet

Theoretical Coverage @ 3.0 mils dry - 342 sq. ft./gal.

Method - Conventional or airless spray

Thinner - Tec Thinner 75-11

Cure time @ 75°F -

To touch	-	1 hour
To handle	-	2 hours
To recoat	-	24 hours

Pot Life @ 75°F - 8 hours

Consists of -	1 Gallon Unit	5 Gallon Unit
(A) 28-DH-50A	1 Gallon (SF)	5 Gallon (SF)
(B) 28-DH-50B	1 Gallon (SF)	3 Gallon (SF)
(SF) - Short Filled		

Unit Shipping Weight 22 lbs. 109 lbs.

Shelf Life - 9 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 temperature are above 30°F and relative humidity is 40%-95%. Surface temperature must be 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.

Steel - Apply only to abrasive blasted steel. "Commercial Blast Cleaning" (SSPC-SP6) is recommended as the minimum. For immersion service "Near White Blast Cleaning" (SSPC-SP10) is considered minimum. 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.

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 28-DH-50A (Component A) thoroughly with a power agitator. (2) Remove desiccant package from 28-DH-50B Zinc Dust (Component B). (3) Slowly add the contents of Component B Dust to Component A while stirring with a power agitator and mix for at least 5 minutes. (4) Strain material through a 40 mesh screen into an agitated pot. (5) Agitate at slow speed during use to keep zinc dust in suspension. (6) Keep system tightly closed and free from moisture. Excessive moisture contamination of this product will reduce the pot life considerably and can cause the product to set up or gel. Pot life will vary with temperature and humidity conditions.

Thinning: This product is supplied at normal spraying viscosity. If thinning is necessary, thin up to 1/2 pint per gallon with Tec Thinner 75-11.

Application: Apply by conventional or airless spray. 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 4.7 mils wet film thickness which will yield 3.0 mils dry film thickness. NOTE: Do not apply in excess of 5.0 mils dry film thickness.

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 10 - 15 psi fluid pressure, 3/8" ID material hose, double regulated pressure tank with oil and moisture separator. Airless Spray - Minimum of 30:1 ratio pump, .023" - .027" tip, 3/8" ID Teflon material hose. Special packing may be necessary due to the abrasive nature of the zinc dust in this product.

Note: During lunch, breaks or any period of work stoppage, material should be removed from hoses and equipment. Release pressure from equipment and flush hoses and equipment with 75-11. Do not repressurize equipment until ready to resume work.

Cleanup: Clean all equipment immediately after use with Tec Thinner 75-11. 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.

Curing: The cure time of this product varies with the temperature and relative humidity, since it cures by reaction with atmospheric moisture. If the relative humidity is below 50%, cure time can be dramatically increased. Rate of cure can be accelerated by misting the coating with a fine spray of water to completely wet the surface after the coating has dried sufficiently to be firm (usually 2 to 4 hours). This procedure does not reduce the time to recoat.

Topcoating: Recoat time will vary according to curing conditions. Allow a minimum of 24 hours at 75°F and 50% relative humidity before applying any topcoats. Coating must be hard and not powdery when scratched with a knife. Only then can recommended topcoats be applied. Most topcoats will require that a 'mist' coat be applied prior to application of a full coat so that bubbling is minimized.

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.

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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.