



**MoPoxY™ Mastic
Epoxy Coating
40-AW-32, 40-AH-51, 40-AR-19**

Amine Adduct/Epoxy

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

A two component high performance epoxy coating which offers high build application characteristics for a one coat system in many applications with a minimum of surface preparation. High solids and low VOC.

For industrial and commercial use as a protective maintenance coating for industrial plants, pulp and paper mills, textiles 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. Can be used over old coating systems to upgrade the performance. Excellent for use in areas where sandblasting is undesirable or impractical but high performance is required.

MoPoxY™ Mastic Coating offers excellent protection in exposures including moderate to severe industrial and marine environments. Excellent resistance to fresh and salt water, detergents and most chemicals. Very good resistance to fumes and spillage of most organic solvents, acids and alkalis. Excellent abrasion and moisture resistance and flexibility. Very high solids. Low VOC. Heat resistant to 200°F.

White 40-AW-32; Gray 40-AH-51; Red 40-AR-19 Special colors available subject to minimum order.

Semi-gloss

Nonvolatile - By weight - 90.9 ± 1.0%
By volume - 81.2 ± 1.0%
VOC (Calculated) - 1.30 lbs./gal.
155 grams/liter
Flash Point - (A) 125°F; (B) 128°F (Setaflash)
Mixing Ratio - 1:1 by volume
Weight per gallon - (A) 13.4 ± 0.2 lbs. (B) 15.1 ± 0.2 lbs.

Recommended Film Thickness - 6.0 mils dry, 7.4 mils wet

Theoretical Coverage @ 6.0 mils dry - 217 sq. ft./gal.

Method - Brush, roller, conventional and airless spray

Thinner - MoPoxY™ Spraying thinner 75-37

Cure time @ 75°F -
To touch - 3 hours
To handle - 8 hours
To recoat - 24 hours

Pot Life @ 75°F - 2 hours

Induction Time - 5 minutes

Consists of -
Part (A) 2 Gallon Unit 10 Gallon Unit
1 Gallon 5 Gallon
Part (B) 1 Gallon 5 Gallon
Unit Shipping Weight 31 lbs. 149 lbs.

Shelf Life - 12 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 must be at least 5°F above the dew point. For optimum application properties, material should be between 70° to 80°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 - Ferrous Metal: For best performance, application to abrasive blasted surface is recommended. "Commercial Blast Cleaning" (SSPC-SP6) is recommended as the minimum. For immersion service "Near White Blasting Cleaning" (SSPC-SP10) is considered minimum. Proper blast media and blasting equipment shall be used to produce an average profile depth of 2.5 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. If blasting is not feasible, remove rust by "Hand or Power Tool Cleaning" (SSPC-SP2 or -SP3). **Galvanized Metal** - Remove oil and primer with Vinyl Wash Primer 9-42. **Aluminum** - Clean thoroughly and etch with phosphoric acid based cleaning solution. Rinse well and allow to dry. **Concrete** - Must be clean, dry, properly cured and free from all surface contaminants. "Brush-Off Blast" (SSPC-SP7) to provide an etched surface and to remove contaminants and laitance. Remove dust before coating. A prime coat of MoPoxY™ Mastic will penetrate concrete and is highly recommended to provide a good base coat prior to application of MoPoxY™ Mastic. When applying as a prime coat thin material up to 20%.

Previously Finished Surfaces - Repair all damaged areas. Remove gloss from previous paint by sanding or "Brush Blasting" (SSPC-SP7). Remove rust, corrosion products, heavy chalk and loose or peeling paint by "Hand or Power Tool Cleaning" (SSPC-SP2 or -SP3). Spot prime any bare areas as in new work above. 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 other sign of incompatibility. If there are no signs, coating work can proceed.

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) Mix the contents of (Component B) thoroughly with a power agitator. (3) Combine the entire contents of Component A and Component B and mix thoroughly with a power agitator. Allow a 5 minute induction time before using the coating. Usable pot life depends on the temperature of the material. Pot Life is 2 hours if material and ambient conditions are 75°F and decreases with higher material or ambient temperatures. Agitate before use. Occasional stirring during use is suggested. As pot life expires, sag resistance may be reduced.

Thinning: Thin with up to 1/2 pint MoPoxY™ Spraying Thinner 75-37 per gallon if necessary for airless spray application or up to 1 pint MoPoxY™ Spraying Thinner 75-37 for conventional spray application.

Application: Spray application is preferred for proper film build and best performance. Brush application is acceptable for touch up. Roller application may require special care to prevent bubbling and may require more than one coat to attain proper film thickness. Apply at 7.4 mils wet film thickness to achieve 6.0 mils dry film thickness.

Equipment: Conventional spray - Devilbiss MBC gun with E tip and needle and 30 air cap or equivalent at 50 - 90 psi atomizing pressure and 10 - 35 psi pot pressure, 3/8" ID product hose, double regulated pressure pot with oil and moisture separator. Airless Spray - Minimum of 30:1 ratio pump, .017" - .027" tip, 3/8" ID Teflon material hose.

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 MoPoxY™ Spraying Thinner 75-37. Do not repressurize equipment until ready to resume work.

Cleanup: Clean all equipment immediately after use with MoPoxY™ Spraying Thinner 75-37. 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-AW-32(6/01)

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.