



MoPoxY™ Deck Armor AR-100 100% Solids Epoxy Coating 41-BW-1

Amine/Epoxy

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

A two component, high performance epoxy deck coating which offers very high film build characteristics for a one coat system in many applications.

For marine and industrial use as a floor and deck coating for industrial facilities, commercial buildings and marine structures. For coating and protecting steel and concrete against mechanical and abrasion damage. Ideal for protection of steel decks on ships and offshore structures.

MoPoxY™ AR-100 Coating offers excellent protection in exposures including moderate to severe industrial and marine environments. Excellent resistance to abrasion and impact. Maintains excellent adhesion even under wet exposure conditions. Spray application allows very high film build. 100% solids and no VOC.

Off White

Semi-Gloss

Nonvolatile - By weight - 100.0%
By volume -100.0%
VOC (Calculated) - 0 lbs./gal.
0 grams/liter
Flash Point - >200°F (Setaflash)
Mixing Ratio - 2:1 by volume
Weight per gallon - 9.6 + 0.2 lbs. (mixed)

Recommended Film Thickness - 60 mils dry,
Theoretical Coverage @ 60.0 mils dry - 26 sq. ft./gal.
Method - Airless spray or trowel only
Induction Time - None required.
Pot Life - 30 minutes @ 70°F
Clean Up - MoPoxY™ Spraying Thinner 75-37
Cure time @ 75°F - To touch - 12 hours
To recoat - 24 hours

Consists of -	3 Gallon Unit	15 Gallon Unit
Part A	1 - 2 gal units	2 - 5 gal units
Part B	1 - 1 gal unit	1 - 5 gal unit
Unit Shipping Weight	35 lbs	157 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 Previously Unfinished Surfaces - Steel: Apply to abrasive blasted steel. "Near White Blast Cleaning" (SSPC-SP10) is recommended for improved performance. "Commercial Blast Cleaning" (SSPC-SP6) is recommended as the 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. Acceptable primers for steel are MOZINC™ #3 28-DH-50, MoPoxY™ ZR 40-CM-4 or MoPoxY™ Primer 613-10.

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™ HS Coating 613-series will provide a good base coat. Base coat should be thinned up to 20%.

Previously Finished Surfaces: For application to properly prepared new surfaces only. Previously finished surfaces should have all previous finishes removed as in "New Surfaces" above.

Mixing - MoPoxY™ DECK ARMOR is supplied in multiple containers as a unit. Always mix a complete unit in the proportions supplied. (1) Agitate Part A with power agitator. (2) Agitate Part B with power agitator. (3) Combine entire contents of Part A and Part B and mix

thoroughly with power agitator. No induction time required. Usable pot life depends on the temperature of the material. Pot life is 30 minutes if material, surface and ambient conditions are at 70°F. Pot life decreases as temperatures increase. Refer to Pot Life section on front page.

Thinning - Material is supplied at airless spray viscosity and should not require thinning.

Application - Airless spray application is preferred for proper film build and best performance. Brush application is acceptable for touch up. Apply at 60.0 mils wet film thickness to achieve 60.0 mils dry film thickness.

Equipment - Airless Spray - Minimum of 30:1 ratio pump, mastic gun (such as Graco 207-300 Hydra Mastic Gun), .045" - .065" tip, 3/8" ID Teflon material hose. Plural component equipment may be preferable for large applications. See your Mobile Paint Representative for further recommendations regarding specific application equipment.

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 43-EF-97 Cleanup Thinner. Do not repressurize equipment until ready to resume work.

Cleanup - Clean all equipment immediately after use with 43-EF-97 Cleanup Thinner. Completely flush all spray equipment with this thinner. 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.

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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.