



PRODUCT DATA

**MoPoxY™ H₂O-200
Epoxy Coating
413-series**

Waterborne Polyamide / Epoxy

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

A two component waterborne polyamide-epoxy coating that offers a tough, durable finish with good chemical resistance and excellent adhesion. Low odor and low VOC. Lead, chromate and mercury free.

Provides excellent protection in severe corrosive and chemical environments. Recommended for use on steel and masonry in interior and exterior exposures, either as an intermediate coat, or as a finish coat. Provides good abrasion, water and solvent resistance. An excellent coating for concrete floors, concrete pipes, walls, wood, steel tanks and structures and properly primed metal surfaces. Not recommended for immersion service.

MoPoxY™ H₂O-200 has excellent adhesion, durability and abrasion resistance. Very good resistance to fumes, spills and splashes of most organic acids, solvents and alkalis. Will not lift soundly adhering conventional coatings. May be brushed, rolled or sprayed. Water reducible with easy water cleanup. Low odor and low VOC. Lead, chromate and mercury free.

White 413-17. Also available in a wide range of custom colors produced from tint bases using the Color Studio System. Special colors available subject to minimum order.

High gloss

Nonvolatile - By weight - 62.0 ± 1.0%
By volume - 48.0 ± 1.0%

VOC (Calculated) 1.88 lbs./gal.
(less water & exempt) 225 grams/liter

Flash point - (Mixed) >200°F (Setaflash)

Weight per gallon - 11.1 lbs/gal. ± 0.2 (mixed)

Recommended Film Thickness - 3.0 mils dry, 6.3 mils wet

Theoretical Coverage @ 3.0 mils dry - 257 sq.ft./gal

Method - Brush, roller, conventional and airless spray.

Thinner - Water or MoPoxY™ H₂O-200 Thinner 43-EF-89

Cure Time @ 75°F / 50% Relative Humidity

To touch - 2 hour

To handle - 6 hours

To Recoat - 24 hours

Mix Ratio: - 4:1 by volume.

Pot Life @ 75°F - 3 hours minimum.

Induction Time - 15 minutes

Consists of -	1 Gallon Unit	5 Gallon Unit
Component A	1 Gallon (SF)	5 Gallon (SF)
Component B (413-99B)	1 Quart (SF)	1 Gallon
Unit Shipping Weight	12 lbs.	60 lbs.
(SF) - Short Filled		

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 55°F, relative humidity is below 85% 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 to 100°F.

Surface Preparation: Good 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 - Wood: Remove sap with mineral spirits. Sand smooth. Prime with MoPoxY™ H₂O-200 thinned 20%.

Wallboard and Hardboard: Must be clean and dry. Prime with Prymall 2 Latex Primer 19-7 or WEATHER-TITE™ 100% Acrylic Latex Universal Primer 6-6.

Ferrous Metal: For best performance, application to abrasive blasted surface is recommended. "Commercial Blast Cleaning" (SSPC-SP6) is recommended as 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 surface occurs. If blasting is not feasible, remove rust by "Hand or Power Tool Cleaning" (SSPC-SP2 or -SP3). Prime with MoPoxY™ Epoxy Primer 513-10, or MoPoxY™ H₂O-200 Primer 413-10.

Galvanized Metal: Remove oil and prime with MoPoxY™ H₂O-200 Primer 413-10.

Concrete Block: Must be clean, dry and thoroughly cured. Fill pores with Architectural Latex Block Fill 260-55.

Concrete or masonry: Must be fully cured, dry and clean. Allow a minimum of 30 days cure time before coating. (1) "Brush Blast Cleaning" (SSPC-SP7) will remove efflorescence, laitance and other foreign matter and roughen the surface for proper adhesion. Remove all dust before coating. (2) "Acid Etching" - surface must be clean, cured and free from oil, grease, dirt, curing compounds, chalk or previously applied coatings. Etch with a solution of 1 part Muriatic Acid to 2 parts water. Apply by brush or spray to wet all concrete surfaces to be coated thoroughly. After bubbling ceases (10-15 minutes) wash surface and scrub with a stiff brush. Rinse thoroughly with water to remove all traces of acid and residue. Allow to dry before coating. Prime with MoPoxY™ H₂O-200 thinned 5-10%.

Aluminum: Clean thoroughly and etch with phosphoric acid based cleaning solution. Rinse well and allow to dry.

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: Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. (1) Mix the contents of Part A thoroughly with a power agitator (2) Combine the entire contents of Part B with the entire contents of Part A and stir thoroughly with a power agitator. Allow 15 minutes induction time before using the coating. Usable pot life depends on the temperature of the material. Refer to Pot Life section on front page. Agitate before use. Occasional stirring during use is suggested.

Thinning: Material is supplied at brushing viscosity and normally needs no thinning. If thinning is necessary, use deionized or distilled water for best results. Clear potable water is acceptable for thinning. Thin only as necessary and DO NOT OVERTHIN. For best results to thin for spraying use 43-EF-89 MoPoxY™ H₂O Spraying Thinner sparingly.

Application: Apply by brush, roller or conventional or airless spray. Roller application may require special care to prevent bubbling and more than one coat to obtain proper film thickness. Apply at 6.3 mils wet film thickness which will yield 3.0 mils dry film thickness.

Equipment: Brush - Use a good quality nylon brush. Roller - All purpose, good quality roller with 3/8" nap maximum. Conventional spray - For suction feed, use DeVilbiss MBC gun with E tip and needle and 30 air cap or equivalent at 40-45 psi atomizing pressure. 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 5-8 psi fluid pressure, 3/8" ID material hose, double regulated pressure tank with oil and moisture separator. Airless Spray - Minimum of 28:1 ratio pump, .011"-.013" orifice tip, 1/4" ID 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 warm, soapy water followed by flushing with 75-35, 75-37 or ketone solvents. Do not repressurize equipment until ready to resume work.

Cleanup: Clean all equipment immediately after use with warm, soapy water. Rinse with MoPoxY™ Brushing Thinner 75-35 or MEK for best results. Completely flush all spray equipment with warm, soapy water followed by ketone solvents to prevent rusting. 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.

413series(08/14)

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.