



Epoxy Polyamide Coatings

Formulas 151, 152, 153, 154, 156, Type IV

MIL-DTL-24441/30, /31, /32, /33, /35

Epoxy Polyamide

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| PRODUCT DESCRIPTION | <p>A two component, high performance epoxy/polyamide coating system. Meets the requirements of MIL-DTL-24441B Type IV.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TYPICAL USES | <p>For application to sandblasted steel, aluminum, or fiberglass components of ships. Suitable for interior or exterior surfaces. For bilges, tanks, underwater hulls and other surfaces requiring a high performance coating system.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRODUCT ADVANTAGES | <p>MIL-DTL-24441 Epoxy Polyamide Coatings are formulated to provide a hard, durable, chemically resistant, non-porous coating. Low VOC and lead free. Meets the requirements of MIL-DTL-24441B.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COLORS | <p>F151 Haze Gray 40-AH-72, F156 Red 40-AR-21, F152 White 40-AW-42, F154 Dark Gray 40-BH-13, F153 Black 40-BX-7</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GLOSS | <p>Eggshell (Semigloss for White and Red)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PHYSICAL CONSTANTS | <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Nonvolatile -</td> <td colspan="2">By weight - 72.0 ± 2.0% *Average</td> </tr> <tr> <td></td> <td colspan="2">By volume - 59.7 ± 1.0% *Average</td> </tr> <tr> <td>VOC (Calculated) -</td> <td colspan="2">2.8 lbs./gal.</td> </tr> <tr> <td></td> <td colspan="2">340 grams/liter *Average</td> </tr> <tr> <td>Flash Point -</td> <td colspan="2">(A) 99°F minimum (Setaflash)</td> </tr> <tr> <td></td> <td colspan="2">(B) 115°F (Setaflash)</td> </tr> <tr> <td>Mixing ratio -</td> <td colspan="2">1:1 by volume</td> </tr> <tr> <td>Weight per gallon -</td> <td colspan="2">(A) 11.5 ± 0.2 lbs. *Average</td> </tr> <tr> <td></td> <td colspan="2">(B) 11.0 ± 0.2 lbs. *Average</td> </tr> <tr> <td></td> <td colspan="2" style="text-align: center;">* Varies according to color</td> </tr> </table> | | Nonvolatile - | By weight - 72.0 ± 2.0% *Average | | | By volume - 59.7 ± 1.0% *Average | | VOC (Calculated) - | 2.8 lbs./gal. | | | 340 grams/liter *Average | | Flash Point - | (A) 99°F minimum (Setaflash) | | | (B) 115°F (Setaflash) | | Mixing ratio - | 1:1 by volume | | Weight per gallon - | (A) 11.5 ± 0.2 lbs. *Average | | | (B) 11.0 ± 0.2 lbs. *Average | | | * Varies according to color | |
| Nonvolatile - | By weight - 72.0 ± 2.0% *Average | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | By volume - 59.7 ± 1.0% *Average | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOC (Calculated) - | 2.8 lbs./gal. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 340 grams/liter *Average | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | * Varies according to color | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APPLICATION | <p>Recommended Film Thickness - 3.0 mils dry, 5.0 mils wet. Theoretical Coverage @ 3.0 mils dry - 319 sq. ft./gal. Method - Brush, roll, conventional and airless spray. Thinner - MoPoxY™ 241 Thinner 43-EF-94 (Refer to thinning on back) Cure time @ 75°F - To touch - 2 hours max. To handle - 8 hours max. To recoat - 24 hours Pot life @ 75°F - 6 hours Induction time - 1 hour @ 75°F (See "Mixing" on back)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SHIPPING & STORAGE | <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Consists of -</td> <td style="width: 35%;">2 Gallon Unit</td> <td style="width: 35%;">10 Gallon Unit</td> </tr> <tr> <td>Part (A)</td> <td>1 gallon</td> <td>5 gallon</td> </tr> <tr> <td>Part (B)</td> <td>1 gallon</td> <td>5 gallon</td> </tr> <tr> <td>Unit Shipping Weight</td> <td>25 lbs.</td> <td>119 lbs.</td> </tr> </table> <p>Shelf Life - 12 months minimum from date of manufacture when maintained in protected storage @ 40-100°F (subject to reinspection thereafter).</p> | | Consists of - | 2 Gallon Unit | 10 Gallon Unit | Part (A) | 1 gallon | 5 gallon | Part (B) | 1 gallon | 5 gallon | Unit Shipping Weight | 25 lbs. | 119 lbs. | | | | | | | | | | | | | | | | | | |
| Consists of - | 2 Gallon Unit | 10 Gallon Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Part (A) | 1 gallon | 5 gallon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Part (B) | 1 gallon | 5 gallon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unit Shipping Weight | 25 lbs. | 119 lbs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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 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 - Ferrous Metal: For best performance, application to abrasive blasted and primed surface is recommended. "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 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). Prime with F150 Primer Green 40-CM-7. **Galvanized Metal:** Remove oil and prime with Vinyl Wash Primer 9-42. **Aluminum:** Clean thoroughly and etch with phosphoric acid based cleaning solution. Rinse well and allow to dry. Prime with F150 Primer Green 40-CM-7. **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.

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 1 hour induction time @ 70°F 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.

Induction time - @ 50-60°F -- 1½ hours
@ 61-75° F -- 1 hour
@ 76-80° F -- ½ to 1 hour
@ 81-90° F -- ½ hour
above 90° F -- none

Thinning: Material is supplied at airless spray viscosity and should not require thinning. Clean Air Regulations may not allow thinning of this product for certain uses. Do not thin beyond applicable regulations. If thinning is allowed, use MoPoxY™ 241 Thinner 43-EF-94.

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 5.0 mils wet film thickness to achieve 3.0 mils dry film thickness.

Equipment: Conventional spray - DeVilbiss MBC gun with E tip and 30 air cap or equal at 40-45 psi atomizing pressure and 10-15 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, .015" to .017" tip, 3/8" 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 MoPoxY™ 241 Thinner 43-EF-94. Do not repressurize equipment until ready to resume work.

Cleanup: Clean all equipment immediately after use with MoPoxY™ 241 Thinner 43-EF-94. 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.

40-AH-72(11/03)

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.