



SURFACE GUARD II
 Epoxy Floor Coating, Finish
 41-series
 Amine/Epoxy

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| PRODUCT DESCRIPTION | A two component, pigmented, solvent-less epoxy floor coating system which offers the flexibility of applying thick or thin films in single or multiple coats to provide a self leveling finish. | | |
| TYPICAL USES | For most concrete floors as a hard, glossy, decorative coating. | | |
| PRODUCT ADVANTAGES | Very hard coating with good application properties. Excellent hardness and resistance to a variety of chemicals and liquids. Self leveling properties allows for a smooth floor on slightly imperfect concrete slabs. Contains no solvent or crystalline silica. Lead and chromate free. Virtually odorless. | | |
| COLORS | Medium Gray (41-AH-64), Platinum Gray (41-AH-65), Tile Red (41-AR-31). Special colors available subject to minimum order | | |
| GLOSS | High Gloss | | |
| PHYSICAL CONSTANTS | Nonvolatile - | By weight - 99.0 ± 1.0% By volume - 99.0 ± 1.0% | |
| | VOC (Calculated) - | 0 lbs./gal. Below 10 grams/liter | |
| | Flash Point - | >200°F (Setaflash) | |
| | Mixing Ratio - | 2:1 by volume | |
| | Weight per gallon - | 10.2 ± 0.2 lbs. (mixed) | |
| APPLICATION | Recommended Film Thickness - | 10 - 30 mils per coat (roll application) 45 - 250 mils per coat (pour application) | |
| | Theoretical Coverage (@ 16 mils DFT) | 100 sq. ft./gal. | |
| | Method - | see application section on back | |
| | Induction time - | None required | |
| | Pot life (1 gallon mix) - | 20 minutes @ 70°F | |
| | Clean Up - | MoPoxy™ Brushing Thinner 75-35 | |
| | Thinner - | Do not thin | |
| | Cure time @ 70°F (16 mils DFT) - | To touch | - 4.0 hours |
| | | Tack free | - 5.5 hour |
| | | Dry Hard | - 7.5 hours |
| | | Recoat | - 12 hours |
| | | Light Traffic | - 18 hours |
| | | Heavy Traffic | - 36 hours |
| | | Full Cure | - 7days(for chemical resistance) |
| SHIPPING & STORAGE | Consists of - | 3 Gallon Unit | |
| | Part (A) | 2 gallons | |
| | Part (B) 41-EF-123B | 1 gallon | |
| | Unit Shipping Weight | 35 lbs. | |
| | Shelf Life - | 6 months minimum from date of manufacture when maintained in protected storage @ 40-100°F (subject to reinspection thereafter). | |

APPLICATION INSTRUCTIONS

MoPoxY™ SURFACE GUARD II is intended for use by qualified floor coating applicators only. 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 dew point. DO NOT apply to surfaces below 50°F or above 90°F or if these conditions are expected within 12 hours. Material should be between 70°F to 85°F prior to mixing. Higher temperatures will dramatically reduce the pot life. Maintain unmixed material in original, unopened containers in protected storage at 40°F to 100°F.

Surface Preparation: Good surface preparation is essential to a satisfactory coating system. Surfaces to be coated should clean and dry. **Steel** should be dry abrasive blasted and must be free from rust, oil, grease and other surface contaminants. **Concrete** must be a minimum of 30 days old, clean, dry and free from contaminants. Concrete must be prepared by dry abrasive blasting or scarifying to provide a profile and remove laitance. Surface to be coated must be level to achieve uniform film thickness. Floor drains must be secured to prevent intrusion and clogging.

Previous Finishes: Will not “lift” most existing coatings. Prior to application over ink, paint, printed material, fabric, etc. test in an inconspicuous area, for compatibility.

Mixing: MoPoxY™ SURFACE GUARD II is supplied in multiple containers as a unit. Always mix a complete unit in the proportions supplied. 1) Mix Part A gently with a spiral mixing blade attached to a variable speed electric drill operating at a low speed. Place blade at the bottom of the pail prior to starting the mixer. Mix for 3 minutes or until uniform. 2) Mix Part B gently with a wide paddle to insure uniformity. 3) Pour entire contents of Part B into the pail containing part A and continue stirring for an additional 3 minutes. Gently move the mixing head around within the mixture to insure a uniform blend. Do not remove mixing head while running to avoid introducing air bubbles into the mixture. Any air introduced during mixing may result in “bubbles” in the applied coating.

Pot Life: This material has a pot life of 20 minutes at 70°F for a 1 gallon mix. Higher temperatures will dramatically reduce the pot life.

Thinning: Do Not Thin.

Clean Up: MoPoxY™ Brushing Thinner, 75-35, MoPoxY™ Spraying Thinner, 75-37 or BLP MIBK, 75-33.

Tinting: Do Not Tint.

Application: Use the “volume-area” method to control spreading rate. Turn off fans, or air conditioning, and secure all vents which may cause a draft or blow dust on the un-cured

surface. Secure any open doors, windows, leaking valves, roof leaks or any potential source of moisture contamination. Pour a liberal amount of mixed material onto surface to be coated. Applicators should use floor spikes and use a rubber squeegee to spread the coating, then allow the material to “self level.” “Back-rolling” with a 3/8 inch (maximum) nap roller cover will provide a lower film build. DO NOT Overwork SURFACE GUARD II. If desired, apply a second coat within 12 and 72 hours. Allow at least 12 hours dry time, at 70°F prior to applying additional coats.

Primer: Seal concrete with SURFACE GUARD II – Clear Sealer, 41-AF-6 at the rate of 100 – 175 square feet per gallon. Allow 12 hour dry time, at 70°F, then finish using SURFACE GUARD II Finish.

Non-skid: Most commercial non-skid aggregates are acceptable for use with SURFACE GUARD II. After “back rolling” allow epoxy to set approximately 10 – 20 minutes at 70°F, prior to broadcasting aggregate. Either back roll to incorporate aggregate into the coating or allow it to dry on the surface, allow to dry 12 hours and remove excess aggregate. Apply a thin coat of clear SURFACE GUARD II - Clear Finish, 41-AF-7 to seal in the non-skid aggregate.

Dry Time: Allow 18 hours dry time at 70°F (or higher) prior to exposing to light foot traffic. Allow at least 12 hours dry time at 70°F (or higher) prior to applying additional coats. Protect from moisture and water exposure for a minimum of 18 hours. For maximum hardness and chemical resistance, protect coated area from any use or exposure for the full cure time. Full curing will require 7 days at 70°F.

Repair: If the coating becomes damaged during application or curing, allow to cure for 24 hours at 70°F (or higher) then sand the entire area to remove all gloss from the surface. Remove sanding dust and apply another coat as indicated above.

Equipment: Mix in clean, dry wax free containers. Use a rubber squeegee to spread the material. Use only a high quality short nap, lint-free, roller cover.

Safety: Safe storage, handling and use dictate that adequate health and safety precautions be observed with this product and any clean-up 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.

41-AH-64 (3/09)

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.