

EPOXYGUARD 100[®]



1-Part Epoxy/Acrylic Maintenance Coating

MADE IN U.S.A.

PRODUCT DESCRIPTION:

ITEM NO. 4400, 4450

EPOXYGUARD 100 is a one component epoxy fortified acrylic blend, formulated to create a very tough and durable finish for all porous interior/exterior, vertical/horizontal concrete, masonry, wood and drywall surfaces. **EPOXYGUARD 100** displays high resistance to scuffing, peeling, and fading. **EPOXYGUARD 100** is also highly resistant to UV rays, water and mildew.

TYPICAL USES:

- Walls & Floors
- Storage Areas
- Walkways
- Porches & Patios
- Basements
- Pool Decks

ADVANTAGES:

- Interior/Exterior
- Vertical/Horizontal
- Extremely Durable
- Environmentally Friendly
- Universally Compliant

Product Qualifications	
Cal Green	Yes
OTC (Industrial Maintenance)	Yes
SCAQMD (Industrial Maintenance)	Yes
CARB (Industrial Maintenance)	Yes
LEED (New Construction)	Yes
LEED (New Schools / CHPS)	Yes

PREPARATION:

The surface must be dry and clean, free from all adhesion affecting contaminants like dirt, dust, oil, grease, wax, loose materials, etc. Refer to the "When Not to Use" section of this technical data sheet.

CONCRETE AND MASONRY: Must be cured at least 28 days. Level protrusions and repair cavities, voids and cracks. Dense, non-porous concrete should be primed with **MONOCHEM 21** or acid etched (until a 180 grit surface is achieved).

PREVIOUSLY PAINTED CONCRETE SURFACES:

Latex Based Paint: Remove all loose, peeling or poorly bonded paint. Dull glossy surfaces by sanding or by using a chemical deglosser.

Oil Based Paint: Apply one coat of **MONOCHEM 21**.

NOTE: ALWAYS apply a test patch to check adhesion, compatibility and proper results. If the adhesion is poor, test and prime with **ULTRA-PRIME** over water based acrylic coatings. Prime over all other surface types (oil base, non acrylic water based, non porous etc) with **MONOCHEM 21**. Responsibility for determining the adhesion of **EPOXYGUARD 100** to an existing finish rests with the applicator. Application of **EPOXYGUARD 100** over existing and poorly adhering painted surfaces may result in the eventual lifting of the old paint

TECHNICAL DATA:

Composition	Modified Acrylic/Epoxy Resin
Solids by Weight (Smooth)	44% +2%
Solids by Weight (Non-Skid)	60% +2%
Finish	Smooth & Low Gloss
Viscosity	90-100 Ku
Weight per Gallon (Smooth)	9.50 Lbs
Weight per Gallon (Non-Skid)	11.00 Lbs
VOC Level	< 50 g/L
Coefficient of friction (Non-Slip Property) Per ASTM C1028	Wet: 0.69; Dry 0.86
Shelf Life	3 years. Protect from freezing

Drywall: Tape all joints, fill cracks and nail holes with patching paste or spackle; sand smooth. Remove all dust. Unsealed surfaces will require a PVA primer like **AQUAPRIME** prior to applying two coats of **EPOXYGUARD 100**.

WOOD SURFACES:

- Wood surfaces should be sanded to a rough finish to provide "tooth" for the coating.
- Wood decks or dimensional lumber built with gaps between planks should be taped and caulked. This protects against water penetrating behind the coating, which creates hydrostatic pressure.
- We recommend sealing all sides of the wood to prevent moisture penetration.
- The moisture content of the wood must be 13% or lower.
- **EPOXYGUARD 100** will not stop tannin acid bleeding from wood. Tannin acid is commonly found in pine, redwood, and cedar. For application over woods that contain tannin acid, we require applying a stain blocker/primer before applying **EPOXYGUARD 100**.

UNPAINTED METAL SURFACES:

All rust and contaminants must be removed by lightly blasting with fine abrasives or by conducting a light etching with **MONOCHEM METAL ETCH**. To minimize rust formation in areas where rust has previously formed, we require applying a rust inhibitive metal primer within 6 hours after preparing the surface.

Galvanized, Aluminum, Stainless Steel: Remove all oils or films with a neutral detergent or emulsion cleaner. Blast lightly with fine abrasives or conduct a light etching. Then rinse using a Zinc treatment and prime with a rust inhibitive primer

Corrosive Metals: Remove all the loose rust, dirt, grease or other contaminants by one of the following depending on the degree of cleanliness required. Blast SSPC-SP3; SSPC-SP2; SSPC-SP6; SSPC-SP7. Blast lightly with fine abrasives or conduct a light etching. Then rinse using Zinc treatment and prime with a rust inhibitive primer.

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HIGH PERFORMANCE COATING 09960
PROTECTIVE COATINGS

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TINTING:

EPOXYGUARD 100 is packaged in a clear and white base and can be tinted to any color using Universal Colorants.

Clear Base: Short-Fill 8 ounces per gallon.

White Base: Short-Fill 6 ounces per gallon.

4400: Epoxyguard 100 Clear Base

4450: Epoxyguard 100 White Base

APPLICATION:

Apply only when surface temperature and surrounding air is between 50°F to 90°F. Use a ½" nap roller for rough or textured surfaces, ¾" nap roller for broom-finish surface, and ¼" nap roller for smooth-troweled surface.

EPOXYGUARD 100 can also be applied using a nylon-polyester brush or spray equipment. Thinning slightly with water will help avoid streaks in direct sun (one pint of water per gallon). Apply two coats and allow two to four hours between coats.

DRY TIME:

The dry times below are approximations and may vary due to temperature and humidity levels.

- Tack Free: 1-2 hours
- Recoat: 2-4 hours
- Light Foot Traffic: 8 hours
- Full Foot Traffic: 24 hours
- Furniture Exposure: 4-5 days
- Allow a 7 day cure before washing the surface

NOTE: For increased durability of **EPOXYGUARD 100** it is very important to avoid creating long term ponding water on the coated surface. This can prematurely damage the coating.

COVERAGE:

SMOOTH FINISH: 200 to 250 sq/ft per gallon.

NON-SKID FINISH: 125-150 sq/ft per gallon.

Two Coats Required.

LIMITATIONS:

EPOXYGUARD 100 will not form a water-proofing membrane and does not seal inaccessible areas. It will not bridge cracks, fill large pores or compensate for flawed construction. Exposed walls must be capped and the backside of parapet walls must be sealed, flashings must be in place and weep holes and drains installed and functioning (where applicable).

WHEN NOT TO USE EPOXYGUARD 100:

- Do not apply over previously sealed surfaces.
- Do not apply over poorly-bonded paint.
- Do not apply if moisture in the masonry surface is higher than 15% or if the moisture in the wood surface is higher than 13%.
- Do not apply to a poorly cured, dusty or contaminated concrete.
- Do not apply to surfaces exhibiting hydrostatic pressure.
- Do not apply if surface temperature is over 90°F. or below 55°F.
- Do not apply if surface pH level is above 8.
- Do not apply in windy conditions or if rain is expected within 24 hours.
- Do not apply to unsound substrates.

CLEAN-UP:

Clean tools and equipment with warm soap and water immediately after use. To remove dried coatings, use a legally compliant lacquer thinner. Dried material on tools or from overspray, drips or spatters will not be easily removed if allowed to dry.

FIRST AID:

Eye Contact- Flush eyes with fresh water for at least 15 minutes. Call a physician.

Skin Contact - Wash with soap and water.

Inhalation - Get fresh air immediately if affected by vapor or spray mist.

Be sure to provide adequate ventilation in enclosed areas.

Use of an approved respirator is recommended.

Ingestion - Do not induce vomiting. Call a physician immediately.

ENVIRONMENTAL NOTE:

This product does not contain the following: Lead, Mercury or Solvents. Some distributors may add minor amounts of VOC when tinting.

WARRANTY INFORMATION: MONOPOLE believes that the information in this publication is an accurate description of the typical characteristics and/or uses of the product or products. It is your responsibility to thoroughly test the product in your specific application to determine its safety and performance capabilities. Since use of this product is beyond our control, MONOPOLE, INC. cannot assume any risk or liability for results obtained when not used according to our specifications and directions. Unless MONOPOLE provides a specifically written statement of fitness for a particular use, MONOPOLE'S sole warranty is that the product will meet its current sales specifications. MONOPOLE disclaims any other expressed or implied warranties, including the warranty of merchantability and fitness for use. Your exclusive remedy and MONOPOLE'S sole liability for breach of warranty is limited to a refund of the purchase price or replacement of any product proven to be defective. In no event shall the seller be liable for any loss of profits or other consequential damages, including labor charges.