



ACRYLIC-ALKYD ENAMEL UNDERCOATER

NO. 437

PRODUCT INFORMATION

BEHR® Acrylic-Alkyd Enamel Undercoater is a water-based alkyd primer that has excellent tannin stain-blocking and outstanding flow and leveling. It provides great sandability and is designed for use under higher sheen paints. This high-hide product also offers corrosion and rust resistant properties to properly prepared ferrous metal.

RECOMMENDED USES:

This primer is recommended for use over properly prepared uncoated and previously painted interior/exterior surfaces. Ideal for:

- Drywall/Gypsum Board
- Wood
- Engineered Wood
- Composite Wood
- Ferrous Metal
- Vinyl

PRODUCT SPECIFICATIONS:

Tint Bases/Max Tint Load:

No. 437 126 fl oz / 4 fl oz

Resin Type: Alkyd-Acrylic

Weight per Gallon: 11.2 lb

% Solids by Volume: 39% ± 2%

% Solids by Weight: 54% ± 2%

VOC: < 50 g/L

Flash Point: N/A

Viscosity: 92 – 102 KU

Recommended Film Thickness:

Wet: 6.4 mils / Dry: 2.5 mils @ 250 sq ft per gal

Wet: 4.0 mils / Dry: 1.6 mils @ 400 sq ft per gal

Coverage: 250 – 400 sq ft per gal depending on application method and substrate porosity. Does not include the loss of material from spraying.

APPLICATION:

Brush: Nylon/polyester

Roller: 1/4" – 1/2" nap roller cover, depending on surface texture

Airless Spray:

Tip: .015" – .019"

Filter: 60 mesh

Fluid Pressure: 1,800 – 2,500 psi

Thinning: Do not thin if using a roller or brush; however, if using a sprayer and thinning is required, thin with clean water at a rate of no more than 1/2 pint of water per gallon.

Dry Time: @ 77°F & 50% RH

Longer dry time may be required in cooler temperatures and higher humidity.

To Touch: 30 minutes

To Recoat: 1 hour

SURFACE PREPARATION:

All surfaces must be clean, free of dust, chalk, oil, grease, wax, polish, mold and mildew stains, loose and peeling paint, rust and all other foreign substances.

Wood: Remove mill glaze with sandpaper or use a product such as BEHR PREMIUM® All-In-One Wood Cleaner No. 63 (exterior only) to open the pores of the wood and follow all label instructions. For severe stains caused by mold, mildew, algae and fungus, apply a mildew stain removing product. Set nails and fill holes, scratches, and gouges with the appropriate wood filler and let dry completely. Remove all dust with a wiping cloth. Fill all gaps with a 100% acrylic, siliconized, paintable caulking and allow to dry completely. Patched and filled surfaces should be sanded smooth and dusted clean prior to coating. **WARNING!** Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.

Weathered Wood Surfaces: To remove loose wood fibers, latex, oil-based and 100% acrylic coatings on new or weathered wood decks, siding, fences, shakes and shingles, use a product such as BEHR PREMIUM Wood Stain & Finish Stripper No. 64 and follow all label instructions. Use a product such as BEHR PREMIUM All-In-One Wood Cleaner No. 63 and follow all label instructions to clean and brighten the wood surface and to remove light to medium stains caused by mold, mildew, algae and fungus. Be sure to follow all label instructions.

Steel: Minimum surface preparation is Hand Tool Cleaning in accordance with SSPC-SP2. Remove all oil and grease from the surface with a solvent in accordance with SSPC-SP1. For optimal performance, use Commercial Blast Cleaning in accordance with SSPC-SP6. Prime the area with a rust-inhibitive primer the same day as cleaned.

COMPLIES WITH THE BELOW AS OF 7/1/2024			
SCAQMD	YES	LADCO	YES
CARB SCM 2007	YES	AIM	YES
OTC PHASE II	YES	MPI	137, 172
OTC	YES		

Shop-Primed Steel: As there is potential for many forms of contamination during storage and transport, a thorough cleaning is always recommended for shop-primed surfaces. Paint exposed areas, i.e., where shop primer is abraded, with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces. Note: Assess the integrity of the shop primer prior to application of subsequent coatings. Review all coatings intended for the project and confirm the compatibility between shop and field-applied coatings.

Stain-Blocking: After priming, test for stain bleed-through by applying the topcoat to a small section. If the stain bleeds through the topcoat, apply a second coat of primer and test again before topcoating the entire area. If bleeding continues, primer may need a longer dry time before applying topcoat. On stained surfaces, topcoat in 4 hours; for heavy stains, topcoat in 16 hours. Two coats may be needed over heavy stains and tannin-rich wood.

Previously Painted Surfaces: Remove all loose and peeling paint and all other foreign substances. Clean any dirt and grease by scrubbing the surface with a detergent and water solution, followed by a thorough rinsing with clean water. Set nails and fill holes, scratches, and gouges with the appropriate patching material. Let dry completely and sand smooth. Remove all dust with a tack or wiping cloth. Fill all gaps with a 100% acrylic, siliconized, paintable caulking, and allow to completely dry prior to coating.

Glossy Surfaces: For maximum adhesion, sand the surface thoroughly to provide a rough surface before coating.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Center at 1-800-424-LEAD or log on to www.epa.gov/lead.



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CLEAN-UP/DISPOSAL:

Clean all tools and equipment with warm, soapy water. Do not dispose of this product down a drain. If spilled, contain material and remove with an inert absorbent. Dispose of contaminated absorbent, container and unused product in accordance with all current federal, state and local regulations. For recycling or disposal of empty containers, unused product and soiled rags, contact your household refuse collection service.

CAUTIONS/LIMITATIONS:

- Protect from freezing.
- Do not use on floors, decks, roof surfaces or any surface subject to immersion or prolonged contact with water.
- This product is not recommended on new masonry (stucco, concrete, plaster, etc.) and galvanized metal surfaces.
- For best results, apply at temperatures between 35°F and 90°F. Temperatures above 90°F may affect the dry time. Avoid painting under direct sun.
- Surface temperature during application should be at least 5°F above dew point.
- Application of coating when the relative humidity is above 85% will adversely affect coating performance.
- Do not box or intermix with other water-based primers.
- Topcoat within 30 days.
- Shelf life under normal conditions is two years unopened.

GENERAL INFORMATION:

WARNING! CAUSES EYE AND SKIN IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. Avoid contact with skin and eyes and avoid breathing vapors, spray mist and sanding dust. Sanding, grinding or abrading may release sanding dust, which may be harmful if inhaled and has been shown to cause lung damage or cancer with long term exposure. Do not breathe dusts, vapor, or spray mist. To avoid breathing in dust, vapors, and spray mist, open windows and doors or use other means to ensure fresh air entry during application, drying, sanding, and/or abrading. If properly used, a respirator (NIOSH approved with particulate pre-filter) may offer additional protection and should be used if adequate ventilation cannot be provided; obtain professional advice before using. If you experience eye watering, headaches, or dizziness during application or drying, increase fresh air or leave the area. Avoid contact with eyes and skin. Wash thoroughly after handling. Close container after each use.

FIRST AID: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 20 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately.

KEEP OUT OF REACH OF CHILDREN – DO NOT TAKE INTERNALLY.

