



**EXTERIOR FLAT PAINT**  
**NO. 4850 ULTRA PURE WHITE®**



**PRODUCT INFORMATION**

BEHR PREMIUM PLUS ULTRA® Exterior Flat Paint is a 100% acrylic latex paint and primer in one. With advanced NANO GUARD® Technology, this product creates a STAYS LOOKING NEW LONGER® Finish. This extra-protective shell shields against damage from sunlight, moisture, stains and dirt. It's the perfect choice for all weather climates, even for application at 35°F (2°C).

**RECOMMENDED USES:**

Ideal for properly prepared, coated or uncoated, exterior surfaces such as:

- Concrete
- Concrete Block/CMU
- Cement Board Siding
- Brick
- Stucco
- Wood
- Plywood
- Ferrous Metals
- Non-Ferrous Metals

**PRODUCT SPECIFICATIONS:**

**Tint Bases/Max Tint Load:**

- No. 4850 128 oz. / 2 oz.
- No. 4854 120 oz. / 10 oz.
- No. 4853 116 oz. / 14 oz.

**Gloss:** 0-6 @ 60°

**Sheen:** 0-6 @ 85°

**Resin Type:** 100% Acrylic Latex

**Weight per Gallon:** 11.3 lbs.

**% Solids by Volume:** 40.8%

**% Solids by Weight:** 55.1%

**VOC:** <50 g/L

**Flash Point:** N/A

**Viscosity:** 100-110 KU

**Recommended Film Thickness:**

- Wet: 6.4 mils / Dry: 2.6 mils @ 250 Sq. Ft./Gal.
- Wet: 4.0 mils / Dry: 1.6 mils @ 400 Sq. Ft./Gal.

**Coverage:** 250-400 Sq. Ft./Gal. depending on application method and substrate porosity. Does not include the loss of material from spraying.

**APPLICATION:**

**Brush:** Nylon/polyester

**Roller:** 3/8" - 1/2" nap

**Airless Spray:** At packaged consistency

**Tip:** .015" - .021"

**Filter:** 60 mesh

**Thinning:** (If required) No more than 1/2 pint of water per gallon.

**Dry Time:** @ 77° & 50% RH

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

**To Touch:** 1 hour

**To Recoat:** 2-4 hours

**Full Cure:** 2 weeks

**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.

**Ferrous and Non-Ferrous Metal:** The oil film on new non-ferrous metal must be removed before it is painted. Remove oil film with a detergent and water solution. For better paint adhesion, sand the surface with sandpaper, steel wool, or by using a product such as a muriatic acid etcher. Clean by scrubbing the surface with a detergent and water solution, followed by a thorough rinsing with clean water. **Metal:** Remove all rust and mill scale using sandpaper, steel wool, abrasive blasting, or other abrading methods to create a profile on the metal's surface. Clean the metal by scrubbing the surface with a detergent and water solution, followed by a thorough rinsing with clean water. Bare metal must be coated the same day it is cleaned.

**Vinyl Siding, Architectural Plastics:** All surfaces must be clean, free of dust, chalk, mold and mildew stains, loose and peeling paint and all other foreign substances. Clean surfaces with a detergent and water solution by scrubbing the surface vigorously and rinse with a garden hose or a power washer and allow drying. **CAUTION:** Vinyl siding is manufactured to withstand certain levels of heat intensity. Be sure when choosing a paint color, to select a color which is similar or lighter than the vinyl siding's original color. A darker color paint will absorb more heat, resulting in a warping of the siding.

COMPLIES WITH THE BELOW AS OF 6/1/16			
SCAQMD	YES	LEED v.4 <sup>†</sup>	YES
CARB	YES	MPI#	10
OTC	YES	GREENGUARD®	YES
LADCO	YES	CHPS	YES
AIM	YES	NAHB/ICC NGBS	YES
LEED v.3 (2009) <sup>†</sup>	YES		

<sup>†</sup>Please visit [www.usgbc.org/LEED](http://www.usgbc.org/LEED) for additional details. GREENGUARD is a registered trademark of UL Company.

**Wood: Shakes & Shingles, Composition Panels/ Siding, Fiber Board: New Wood:** Remove mill glaze with sandpaper or use a product such as BEHR PREMIUM® All-In-One Wood Cleaner No. 63 to open the pores of the wood and follow all label instructions. Remove mildew stains with a common mildew 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.

**Previously Painted Wood:** 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 wood filler and let dry completely prior to coating. Remove all dust with a 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 before coating. **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.

**Wood: WARNING!** Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.





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**Tannin Bleed & Stainblocking:** After priming, test for stain bleed-through by applying the top coat to a small section. If the stain bleeds through the top coat, apply a second coat of primer and test again before top coating the entire area. If bleeding continues, a longer dry time of the primer may be needed before topcoating or an additional coat of primer may be required to block the tannin bleed or stain.

**Masonry: Stucco, Concrete, Cut Masonry Units (CMUs), Split-Face Block: New:** All masonry surfaces must be cured at least 30 days before painting. The pH must be 10.0 or lower prior to coating. Smooth masonry may require an adequate profile for adhesion. For all other smooth concrete, create a profile using a product such as a muriatic acid etcher or with mechanical means. Remove loose aggregate and debris.

**Masonry: Cement Composition Panels/Siding, Exterior Insulation and Finish Systems (EIFS) or Synthetic Stucco: New:** All masonry surfaces must be cured at least 30 days before painting. The pH must be 10.0 or lower prior to coating. All surfaces must be clean, free of dust, chalk, mold and mildew stains, loose and peeling paint and all other foreign substances. Clean surfaces with a detergent and water solution by scrubbing the surface vigorously and rinse with a garden hose or a power washer at a low setting (500-1200 PSI). DO NOT USE HIGH PRESSURE as this may harm the substrate.

**Previously Painted Surfaces:** All surfaces must be clean, free of dust, chalk, mold and mildew stains, loose and peeling paint and all other foreign substances. Clean surfaces with a detergent and water solution by scrubbing the surface vigorously and rinse with a garden hose or a power washer and allow to dry.

**WARNING!** If you scrape, sand or remove old paint, you may release lead dust. **LEAD IS TOXIC.** Contact the National Lead Information Center at 1-800-424-LEAD or visit [www.epa.gov/lead](http://www.epa.gov/lead).

**RECOMMENDED PRIMER/SYSTEMS:****PROPERLY PREPARED NEW SURFACES:**

**Wood: Cedar, Redwood, Shakes & Shingles; For Severe Tannin Bleed/Stainblocking:**

- BEHR PREMIUM PLUS® Interior/Exterior Multi-Surface Primer & Sealer No. 436

**Masonry with pH Levels up to 13.0:**

- BEHR PREMIUM Interior/Exterior Basement & Masonry Waterproofer No. 875
- BEHR PREMIUM PLUS Interior/Exterior Multi-Surface Primer & Sealer No. 436

**Non-Ferrous Metal:**

- BEHR PREMIUM PLUS Interior/Exterior Multi-Surface Primer & Sealer No. 436

**PREVIOUSLY PAINTED SURFACES:**

- Use a full coat or spot prime repaired or uncoated surfaces with such as woods with heavy tannins (Redwood and Cedar) with BEHR PREMIUM PLUS ULTRA® Paint and Primer in One. Two coats may be required.

**TEST SPECIFICATIONS:****Scrubability**

ASTM D2486 Scrub &gt; 2500 (no shim)

**Biological Growth**

ASTM D3273 (4 weeks) – Pass

**Accelerated Weathering**

ASTM D4587, 500 hrs exposure - Pass

**CLEAN UP:**

Clean all tools and equipment with clean water.

For disposal of empty containers and unused product, contact your household refuse collection service.

**CAUTIONS/LIMITATIONS:**

- Protect from freezing.
- Do not use on floors.
- For best results, apply at temperatures between 35°F - 90°F. Temperatures above 90°F may affect the dry time.
- Avoid heavy traffic for 24 hours.
- Allow four weeks before washing or cleaning for full cure.
- Shelf life under normal conditions is two years unopened.

**GENERAL INFORMATION:**

**Warning!** Causes eye and skin irritation. Harmful if swallowed. Wear protective clothing, gloves, eye, and face protection. Do not eat, drink, or smoke when using this product. Collect spillage and avoid release to the environment. Take off contaminated clothing and wash it before reuse. Wash hands thoroughly after handling. Dispose of unused contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

**First aid: If in eyes:** Rinse cautiously with water for several minutes and remove contacts if present and easy to do. Continue rinsing and get medical attention if eye irritation persists. **If swallowed:** Rinse mouth and get medical attention if you feel unwell. **If on skin:** Wash with plenty of soap and water.

