EXTERIOR FLAT PAINT

NO. 4850 ULTRA PURE WHITE®

PRODUCT INFORMATION

BEHR ULTRA™ Exterior Flat Paint is a 100% acrylic paint & primer◊. This product features an easy-to-clean STAYS LOOKING NEW LONGER® Finish that shields against damage from sunlight, moisture, stains and dirt. It's the perfect choice for all weather climates, even for application at 2°C (35°F). The paint film is also able to resist rain as early as 60 minutes after application.

COMPLIES WITH THE BELOW AS OF 2/1/2024	
Canadian EPA (CEPA) SOR/2009-264	YES
MPI	10

RECOMMENDED USES:

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

- Stucco
- Concrete
- Masonry
- Concrete Masonry Units
- Brick
- Fiber Cements
- Wood
- Engineered Wood
- Steel
- Galvanized Steel
- Aluminum
- Other Ferrous Metals
- Other Non-Ferrous Metals
- Architectural Plastics

PRODUCT SPECIFICATIONS:

Tint Bases/Max Tint Load:
Ultra Pure White No. 4850 3.78 L (128 fl oz) / 59 mL (2 fl oz)
Medium Base No. 4854 3.54 L (120 fl oz) / 296 mL (10 fl oz)
Deep Base No. 4853 3.43 L (116 fl oz) / 414 mL (14 fl oz)

Gloss: 0 – 6 @ 60°

Sheen: 0 – 6 @ 85°

Resin Type: 100% Acrylic

Weight per 3.78 L: 5.3 kg (11.7 lb)

% Solids by Volume: 45% ± 2%

% Solids by Weight: 59% ± 2%

VOC: < 50 g/L

Flash Point: N/A

Viscosity: 100 – 110 KU

Recommended Film Thickness:
Wet: 163 µm (6.4 mils) / Dry: 74 µm (2.9 mils)
@ 23 m^2 per 3.78 L (250 sq ft/gal)
Wet: 102 µm (4.0 mils) / Dry: 46 µm (1.8 mils)
@ 37 m^2 per 3.78 L (400 sq ft/gal)

Coverage: 23 – 37 m^2 per 3.78 L (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: : 10 – 25 mm (3/8" – 1") nap roller cover, depending on surface texture

Airless Spray:
Tip: .38 mm – .53 mm (.015" – .021")
Filter: 60 mesh
Fluid Pressure: 10 – 17 MPa (1,400 – 2,400 psi)

Thinning: Do not thin if using a roller or brush; however, if using a sprayer and thinning is required, thin with water at a rate of no more than 237 mL per 3.78 L (1/2 pint per gallon).

Dry Time: @ 25°C (77°F) & 50% RH
To Touch: 1 hour
To Recoat: 2 hours
Full Cure: 4 weeks
Dry times are temperature, humidity, and film thickness dependent.

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 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.

Masonry: The pH must be 10 or lower prior to coating. Smooth masonry may require an adequate profile for adhesion. For all other smooth trowel concrete, create an adequate profile for adhesion using a product such as muriatic acid etcher or with mechanical means. Remove all loose aggregate and debris. Prime the area with an alkali-resistant primer.

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.

Galvanized Steel: Solvent clean new galvanized metal in accordance with SSPC-SP1 to remove oil and grease from the surface. Pre-treat with a phosphoric acid solution or a commercially-available etching solution. Galvanized metal that has been passivated with chromates or silicates may require brush blasting in accordance with SSPC-SP16 to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning in accordance with SSPC-SP2. Prime the area the same day as cleaned.

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.

Aluminum: Remove all oil and grease from the surface with a solvent in accordance with SSPC-SP1. Prime the area the same day as cleaned.

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.

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 and let dry completely. 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.

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◊A primer coat may be needed on some surfaces. SEE SYSTEM RECOMMENDATIONS for details.

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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 Health Canada at 1-866-225-0709 or log on to www.canada.ca/en/health-canada/services/home-safety/lead-based-paint.

SYSTEM RECOMMENDATIONS:

Although BEHR ULTRA™ is a paint & primer (self-priming-first coat is the primer and the second coat is the finish) over most properly prepared surfaces, it is recommended for optimum performance to follow the primer recommendations provided below:

Wood:
- Self-prime using 2 coats BEHR ULTRA Exterior Paint
  or
- 1 coat BEHR® Multi-Surface Interior/Exterior Stain-Blocking Primer & Sealer No. 436 (recommended for tannin-rich woods)
  2 coats BEHR ULTRA Exterior Paint

Masonry: Concrete, Cement, Brick, Stucco, EIFS:
- Self-prime using 2 coats BEHR ULTRA Exterior Paint
  or
- 1 coat BEHR Multi-Surface Interior/Exterior Stain-Blocking Primer & Sealer No. 436 (recommended for masonry with pH levels up to 13)
  2 coats BEHR ULTRA Exterior Paint

Concrete Masonry Units: Concrete Block, Cinder Block, Split-Face Block:
- 1 coat BEHR DRYPLUS® Masonry Waterproofer No. 875
  2 coats BEHR ULTRA Exterior Paint

Fiber-Cement:
- Self-prime using 2 coats BEHR ULTRA Exterior Paint
  or
- 1 coat BEHR Multi-Surface Interior/Exterior Stain-Blocking Primer & Sealer No. 436
  2 coats BEHR ULTRA Exterior Paint

Ferrous and Non-Ferrous Metals:
- 1 coat BEHR Interior/Exterior Metal Primer No. 435 (recommended for optimal corrosion resistance or when priming over sound rusty metal surfaces) or BEHR Multi-Surface Interior/Exterior Stain-Blocking Primer & Sealer No. 436
  2 coats BEHR ULTRA Exterior Paint

Vinyl, PVC, Fiberglass, Architectural Plastics:
- 1 coat BEHR Interior/Exterior Bonding Primer No. 432 or BEHR Multi-Surface Interior/Exterior Stain-Blocking Primer & Sealer No. 436
  2 coats BEHR ULTRA Exterior Paint

NOTE: Certain substrate conditions and exposure requirements may require the use of specialized primers.

PERFORMANCE DATA:

Scrubbability (ASTM D2486; no shim):
Result: > 2,500 cycles

Biological Growth (ASTM D3273; 4 weeks):
Result: Pass

Accelerated Weathering (ASTM D4587; 500 hrs exposure)
Result: Pass

CLEAN-UP/DISPOSAL:

Clean all tools and equipment with clean water. 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, provincial 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.
- For best results, apply when air, material and surface temperatures are between 2°C (35°F) and 32°C (90°F). When the air temperature is at 2°C, substrates may be colder; prior to painting, check to be sure the air, surface, and material temperatures are above 2°C and at least 3°C (5°F) above the dew point. Avoid using if rain or snow is expected within 2 – 3 hours. Do not apply at air or surface temperatures below 2°C or when air or surface temperatures may drop below 2°C within 48 hours. Do not apply in direct sunlight. Temperatures above 32°C can cause the paint to dry too fast.
- Allow four weeks before washing or cleaning for full cure.
- Shelf life under normal conditions is two years unopened.

GENERAL INFORMATION:

CAUTION. IRRITANT. MAY IRRITATE EYES AND SKIN. Avoid contact with eyes, skin and clothing. Do not breathe fumes. Keep out of reach of children. Wear eye protection and protective clothing. Use only with adequate ventilation.

FIRST AID TREATMENT: CONTAINS TITANIUM DIOXIDE; NEPHELINE SYENITE; STYRENE/ACRYLIC COPOLYMERS; and CALCIUM METASILICATE. If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes rinse with water for 20 minutes. If on skin rinse well with water. If inhaled, move person to fresh air.

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