



PREMIUM PLUS®

EXTERIOR SEMI-GLOSS ENAMEL PAINT NO. 5050

BEHR PREMIUM PLUS® Exterior Satin Enamel Paint is a premium 100% acrylic paint and primer[®] that offers a durable, mildew-resistant finish with exceptional hide and maximum moisture resistance making it an excellent choice for all climates.

Ideal for properly prepared coated and uncoated exterior substrates such as:

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

PRODUCT SPECIFICATIONS

Tint Bases/Max Tint Load:

No. 5050 Ultra Pure White 128 fl oz / 2 fl oz

No. 5400 Medium Base 120 fl oz / 10 fl oz

No. 5340 Deep Base 116 fl oz / 14 fl oz

Gloss: 45–55 @ 60°

Resin Type: 100% Acrylic

Weight per Gallon: 10.1 lb

% Solids by Volume: 35% ± 2%

% Solids by Weight: 45% ± 2%

VOC: < 50 g/L

Flash Point: N/A

Viscosity: 100–110 KU

Recommended Film Thickness:

Wet: 6.4 mils / Dry: 2.2 mils @ 250 sq ft/gal

Wet: 4.0 mils / Dry: 1.4 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.

PERFORMANCE DATA

Accelerated Weathering (ASTM D4587; 2,016 hrs):

Result: Pass (no chalking, blistering, cracking, or checking; maximum gloss change 10 units)

Biological Growth (ASTM D3273; 4 weeks):

Result: Pass

Flexibility (ASTM D522; ¼" mandrel):

Result: Pass

COMPLIANCE & CERTIFICATIONS

Complies with the below as of 6/1/2025

SCAQMD	YES	OTC	YES
CARB SCM 2020	YES	LADCO	YES
CARB SCM 2007	YES	EPA AIM	YES
OTC PHASE II	YES	MPI	11 & 311

SYSTEM RECOMMENDATIONS

Although BEHR PREMIUM PLUS® 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:

1 coat BEHR® Multi-Surface Interior/Exterior Stain-Blocking Primer & Sealer No. 436 or BEHR Interior/Exterior Acrylic-Alkyd Enamel Undercoater No. 437

2 coats BEHR PREMIUM PLUS Exterior Paint

Masonry: Concrete, Cement, Brick, Stucco, EIFS:

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 PREMIUM PLUS Exterior Paint

Concrete Masonry Units: Concrete Block, Cinder Block, Split-Face Block:

1 coat BEHR DRYPLUS® Masonry Waterproofer No. 875

2 coats BEHR PREMIUM PLUS Exterior Paint

Fiber-Cement:

1 coat BEHR Multi-Surface Interior/Exterior Stain-Blocking Primer & Sealer No. 436

2 coats BEHR PREMIUM PLUS 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 PREMIUM PLUS Exterior Paint

NOTE: Certain substrate and exposure conditions, as well as project requirements, may necessitate the use of other substrate-specific or solution-driven primers.

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 PREMIUM PLUS Exterior Paint

IMPORTANT: Do not paint vinyl with a darker color than the original to prevent irreversible warping from heat absorption, which would require vinyl replacement. For other plastic composites, apply dark colors cautiously in sunlight to avoid material distortion.

NOTE: Other primers may also be suitable. Please consult with a Behr Paint Company representative for specific primer recommendations.

When repainting involves a dramatic color change, a coat of primer will enhance the hiding performance of the topcoat.

APPLICATION

Brush: Nylon/polyester

Roller: 3/8"–3/4" nap roller cover, depending on surface texture

Airless Spray:

Tip: .015"–.021"

Filter: 60 mesh

Fluid Pressure: 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 1/2 pint per gallon

Dry Time: 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, loose and peeling paint, rust, and all other foreign substances.

When measured with an electronic moisture meter, maximum moisture content of substrates is as follows:

- Concrete & Masonry: 12%
- Concrete Masonry Units (CMUs): 12%
- Wood: 15%

Wood: Scrape and clean knots. Before applying primer, apply a coat of knot sealer recommended for exterior use in. Sand surfaces that will be visible and remove dust. Prime edges, ends, faces, undersides, and backsides of the wood. After priming, fill holes and imperfections with an appropriate patching material. Sand patched and filled surfaces smooth and remove dust before coating.

Concrete & Masonry (Stucco, Precast Concrete, Poured-In-Place Concrete, Portland-Based Cement, Fiber Cement): Remove release agents, curing compounds, efflorescence, and chalk. Avoid painting surfaces if moisture content or alkalinity exceeds manufacturer's guidelines. For smooth trowel concrete, ensure an adequate adhesion profile using products like muriatic acid etcher or mechanical methods. Clear all loose aggregate and debris. For tilt-up and poured-in-place concrete, commercial detergents and abrasive blasting may be needed for surface preparation. Fill bug holes, air pockets, and other voids with a cement patching compound.

Concrete Masonry Units (Concrete Block, Cinder Block, Split-Faced Block): Remove efflorescence and chalk. Avoid painting surfaces if moisture content or alkalinity exceeds manufacturer's guidelines.

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 such as BEHR® Interior/Exterior Metal Primer No. 435 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.

Galvanized Steel: Solvent clean new galvanized metal in accordance with SSPC-SP1 to remove oil and grease from the surface. 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 with

BEHR® Interior/Exterior Metal Primer No. 435 or BEHR® Interior/Exterior Multi-Surface Stain-Blocking Primer/Sealer No. 436 the same day as cleaned.

Aluminum: Remove all oil and grease from the surface with a solvent in accordance with SSPC-SP1. Prime the area with BEHR Interior/Exterior Metal Primer No. 435 or BEHR Interior/Exterior Multi-Surface Stain-Blocking Primer/Sealer No. 436 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 top-coating the entire area. If bleeding continues, a longer dry time of the primer may be needed before topcoating.

Previously Painted Surfaces: Maintenance painting often doesn't require complete removal of all old coatings before repainting. However, all contaminants such as oil, grease, loose paint, mill scale, dirt, foreign matter, rust, mold, mildew, efflorescence, and sealers must be removed to ensure strong adhesion to the existing paint. Glossy surfaces of old paint films must be clean and dull before repainting. Spot-prime any bare areas with an appropriate primer.

Understand that surface preparation short of completely removing the old coating may affect the system's longevity. Test compatibility by applying a test patch of the recommended coating system, covering at least 2 to 3 square feet. Allow the surface to dry for one week before testing adhesion according to ASTM D3359. If the coating system is incompatible, complete removal is necessary.

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 Hotline at 1-800-424-LEAD or log onto www.epa.gov/lead.

CAUTIONS/LIMITATIONS

- Protect from freezing.
- Do not use on floors.
- For best results, apply paint when ambient (air) temperature is between 35°F and 90°F and remain within this range for at least 4 hours after application. Because air and surface temperatures can vary, check both to avoid problems caused by extreme heat or cold. At the lower end of the range, surfaces may be colder—ensure they are above 35°F and at least 5°F above the dew point before painting. At the higher end, surfaces may be hotter, which can cause rapid drying, poor adhesion (especially when spraying), and other defects. The maximum recommended surface temperature for application is 125°F.
- Allow the paint film to dry for at least 60 minutes before expected rain when temperatures are at or above 60°F

and 50–70% relative humidity. Lower temperatures, higher humidity, and darker colors can extend rain resistance time.

- Avoid painting in direct sunlight.
- Allow four weeks before washing or cleaning for full cure.
- Shelf life under normal conditions is two years unopened.

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.

HEALTH & SAFETY INFORMATION

WARNING! IRRITANT. CAUSES EYE AND SKIN IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. Avoid contact with skin and eyes. Do not breathe dusts, vapor, or spray mist. 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. 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. 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.**