



INTERIOR/EXTERIOR DIRECT-TO-METAL SEMI-GLOSS PAINT

NO. 3200 WHITE

PRODUCT INFORMATION

BEHR PREMIUM® Interior/Exterior Direct-To-Metal Semi-Gloss Paint is engineered for excellent adhesion to a variety of properly prepared or primed residential and light commercial metal surfaces. It provides a durable finish that withstands tough elements on both interior and exterior surfaces. It has excellent corrosion and flash rust resistance and is intended for use in conditions of repeated heavy abrasion, including mechanical wear and repeated scrubbing with industrial solvents, cleaners and scouring agents. This product can also be used on other properly prepared and primed substrates, such as drywall, wood and masonry.

RECOMMENDED USES:

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

- Steel
- Drywall/Gypsum Board
- Brick
- Galvanized Steel
- Plaster
- Concrete Masonry Units
- Aluminum
- Stucco
- Wood
- Other Ferrous Metal
- Concrete
- Engineered Wood
- Other Non-Ferrous Metal
- Masonry
- Architectural Plastics

PRODUCT SPECIFICATIONS:

Tint Bases/Max Tint Load:

No. 3200 White 124 fl oz / 6 fl oz
 No. 3230 Deep Base 116 fl oz / 10 fl oz

Pre-Mixed colors:

No. 3210 Red
 No. 3220 Black

Gloss: 45 – 55 @ 60°

Resin Type: Styrene Acrylic

Weight per Gallon: 10.1 lb

% Solids by Volume: 33% ± 2%

% Solids by Weight: 45% ± 2%

VOC: < 50 g/L

Flash Point: N/A

Viscosity: 95 – 105 KU

Recommended Film Thickness:

1st Coat Wet: 4.6 mils / Dry: 1.5 mils @ 350 sq ft / gal
 2nd Coat Wet: 4.0 mils / Dry: 1.3 mils @ 400 sq ft/gal

Two (2) coats are required for optimum protection and for applications where this product is used as a self-priming system

Coverage: 350 – 400 sq ft/gal depending on application method and substrate porosity. Does not include the loss of material from spraying.

APPLICATION:

Brush: High Quality Synthetic

Roller: 1/4" – 3/8" nap roller cover, depending on surface texture

Airless Spray:

Tip: .013" – .017"
 Filter: 60 mesh
 Fluid Pressure: 1,400 – 2,400 psi

Thinning: Not recommended. Product is formulated for use at package consistency only.

Dry Time: @ 77°F & 50% RH

To Touch: 1 hour

To Recoat: 3 hours

Full Cure: 4 weeks

Dry times are temperature, humidity and film thickness dependent. Darker colors may require additional dry time between coats.

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.

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.

COMPLIES WITH THE BELOW AS OF 6/1/2020			
SCAQMD	YES	GREENGUARD® [†]	YES
CARB SCM 2007	YES	LEED® V.4 [†]	YES
OTC Phase II	YES	CHPS	YES
LADCO	YES	NAHB/ICC NGBS	YES
AIM	YES	MPI	153,163

[†]GREENGUARD is a registered trademark of UL Company. [†]Please visit www.usgbc.org/LEED for additional details.

This coating conforms to the United States Department of Agriculture (USDA) regulatory requirements for incidental food-contact materials intended for use on surfaces not in direct contact with food, such as walls, floors and ceilings.

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.

Drywall: All drywall surfaces should be sufficiently sanded smooth. Remove any remaining drywall dust prior to priming. Allow all drywall compounds to be completely dry prior to coating.

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.

Masonry: Allow to cure for 30 days. The pH must be 10 or lower prior to coating. Remove bond breakers and all form release and curing agents. Smooth masonry may require an adequate profile for adhesion. Remove all loose aggregate and debris. If painting cannot wait 30 days or pH level is above 10, allow the surface to cure 7 days and prime the surface with an alkali-resistant primer.

Plaster: New plaster should be thoroughly dried out and cured for a minimum of 30 days before painting. When cured, clean using a mixed solution of one part vinegar and one part water to remove efflorescence and neutralize. Prime the area with an alkali-resistant primer.





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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 wood filler 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

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:

Ferrous Metal

- Self-prime using 2 coats of BEHR® Direct-To-Metal Interior/Exterior Paint or
- 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 Direct-To-Metal Interior/Exterior Paint

Non-Ferrous Metal

- 1 coat BEHR Interior/Exterior Metal Primer No. 435 or BEHR Multi-Surface Interior/Exterior Stain-Blocking Primer & Sealer No. 436
- 2 coats BEHR Direct-To-Metal Interior/Exterior Paint

Drywall/Gypsum Wallboard

- 1 coat BEHR Drywall Plus Interior Primer & Sealer No. 73 or BEHR Kitchen, Bath & Trim Interior Stain-Blocking Primer & Sealer No. 75 (recommended for optimal enamel hold out)
- 2 coats BEHR Direct-To-Metal Interior/Exterior Paint

Wood

- 1 coat BEHR Multi-Surface Interior/Exterior Stain-Blocking Primer & Sealer No. 436
- 2 coats BEHR Direct-To-Metal Interior/Exterior Paint

Masonry: Concrete, Cement, Brick, Stucco, EIFS

- 1 coat BEHR Multi-Surface Interior/Exterior Stain-Blocking Primer & Sealer No. 436
- 2 coats BEHR Direct-To-Metal Interior/Exterior Paint

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

- 1 coat BEHR DRYPLUS® Masonry Waterproofer No. 875
- 2 coats BEHR Direct-To-Metal Interior/Exterior Paint

Fiber-Cement

- 1 coat BEHR Multi-Surface Interior/Exterior Stain-Blocking Primer & Sealer No. 436
- 2 coats BEHR Direct-To-Metal Interior/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 Direct-To-Metal Interior/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.

PERFORMANCE DATA:

Accelerated Weathering (ASTM D4587 QUV-A)

Result: Pass - 1,000 hrs

Direct Impact Resistance (ASTM D2794)

Result: >160 in-lb

Adhesion (ASTM D4541; substrate - CRS)

Result: > 300 psi

Adhesion (ASTM D3359; substrate – aluminum)

Result: 5B

Abrasion Resistance (ASTM D4060; CS17 wheel, 1,000 cycles, 1 kg load)

Result: < 50 mg loss

Corrosion Resistance (ASTM G85; Annex #5, 1,000 hrs)

Result: Rating 10 per ASTM D714 for blistering
Rating 9 per ASTM D610 for rusting, less than 2 mm rust creep from scribe

Flexibility (ASTM D522; 180° bend, 1/8" mandrel)

Result: Pass

Moisture Condensation Resistance (ASTM D4585; 100°F, 1,000 hrs)

Result: Pass

Pencil Hardness (ASTM D3363)

Result: HB

Block Resistance (ASTM D2793; aluminum, class III)

Result: B0

Mar Resistance (ASTM D5178; CRS)

Result: 4 kg

Chemical Resistance (ASTM D1308; 1 hr unless otherwise noted)

Result: No film defects when tested with the following chemicals

- 50% Sulfuric Acid
- 25% Sodium Hydroxide
- 10% Hydrochloric Acid
- 5% Phosphoric Acid
- Methanol
- Aliphatic Hydrocarbon Solvent – 2 hrs
- Motor Oil (10W30) – 2hrs
- Vegetable Oil – 2 hrs

Salt Spray Resistance (ASTM B117; 200 hrs, with primer)

Result: Rating 10 for blistering
Rating 5% for rust on the scribe

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.



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CAUTIONS/LIMITATIONS:

- Protect from freezing.
- Do not use on floors.
- For best results, apply when air, material and surface temperatures are between 40°F and 90°F, the relative humidity is no greater than 85%, and surface is at least 5°F above dew point. Do not apply in direct sunlight. Temperatures above 90°F can cause the paint to dry too fast, whereas temperatures below 40°F can inhibit proper film formation.
- Allow 4 weeks before washing or cleaning for full cure.
- High tint load colors, such as safety and deep base colors, may impact final film properties. A primer such as BEHR Interior/Exterior Metal Primer No. 435 is recommended for best results.
- Not for direct application to surfaces finished with baked-on enamels and powder coatings.
- Certain colors may require additional coats for complete hide.
- Shelf life under normal conditions is 2 years unopened.

GENERAL INFORMATION:

CAUTION IRRITANT MAY CAUSE EYE, NOSE AND THROAT IRRITATION. AVOID CONTACT WITH SKIN AND EYES AND AVOID BREATHING OF VAPORS AND SPRAY MIST. WEAR EYE PROTECTION AND PROTECTIVE CLOTHING. USE ONLY WITH ADEQUATE VENTILATION. To avoid breathing vapors and spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air. If properly used, a respirator (NIOSH approved for organic vapor with P series particulate pre-filter) may offer additional protection; obtain professional advice before using. A dust mask does not provide protection against vapors. 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.

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