



# INTERIOR/EXTERIOR METAL PRIMER

NO. 435

## PRODUCT INFORMATION

BEHR® INTERIOR/EXTERIOR METAL PRIMER is a rust-inhibitive primer that can be applied over clean and sound rusty metal surfaces while preventing corrosion with minimal surface preparation. This innovative water-based primer features fast dry time, low odor and easy clean up. For use on properly prepared coated/uncoated ferrous and non-ferrous metal surfaces in residential and commercial settings such as: doors, windows, trim, flashing, shutters, fences, garage/roll up doors, outdoor furniture, railing and wrought iron, beams, girders, trusses and rafters.

## RECOMMENDED USES:

Ideal for metal surfaces, such as: steel, carbon steel, stainless steel, cast iron, wrought iron, galvanized steel; and non-ferrous metal surfaces, such as: brass, aluminum, copper, lead, nickel, tin, titanium, zinc and metal alloys.

## PRODUCT SPECIFICATIONS:

**Bases:**

No. 435 126 fl oz

**Resin Type:** Acrylic-Modified Epoxy

**Weight per Gallon:** 10.5 lb

**% Solids by Volume:** 41% ± 2%

**% Solids by Weight:** 53% ± 2%

**VOC:** < 100 g/L

**Flash Point:** N/A

**Viscosity:** 100-110 KU

**Recommended Film Thickness:**

Wet: 4.5 mils / Dry: 1.9 mils @ 350 sq ft/gal

Wet: 3.6 mils / Dry: 1.5 mils @ 450 sq ft/gal

**Note:** A minimum dry film thickness of 1.5 mils is required on sound ferrous metal surfaces for adequate corrosion resistance. Additional film build may be necessary depending on surface and/or exposure conditions. For severe exposure conditions, such as marine environment, apply two coats (1.5 mils per coat) of BEHR INTERIOR/EXTERIOR METAL PRIMER for optimal corrosion protection.

**Coverage:** 350 – 450 sq ft/gal depending on the surface texture, porosity and application method. Does not include the loss of material from spraying.

## APPLICATION:

**Brush:** High quality nylon/polyester brush

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

**Airless Spray:**

**Tip:** .011" – .017"

**Filter:** 60 mesh

**Fluid Pressure:** 2,000 – 2,800 psi

**Thinning:** This primer is designed to be applied at package consistency under normal environmental and application conditions. If necessary to maintain good workability, add up to 1/2 pint (8 fl oz) of clean water per gallon.

**NOTE:** Overthinning may result in insufficient film thickness and subsequent pinpoint rusting.

**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:

It is recommended to start priming on the same day the surface is cleaned and prepared. All surfaces must be sound, clean, dry, free of dust, chalk, oil, grease, wax, polish, mold and mildew, loose peeling paint, loose rust and dust particles and all other foreign substances. In some cases, scraping or sanding may be needed to allow the primer to adhere. Do not use if surface is structurally unsound or severely deteriorated. If washing is necessary, use a non-soapy detergent or a TSP substitute, rinse well and allow to dry.

**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.

COMPLIES WITH THE BELOW AS OF 7/01/2024			
SCAQMD	YES	OTC	YES
CARB SCM 2007	YES	LADCO	YES
CARB	YES	AIM	YES
OTC PHASE II	YES	MPI	107, 134

This coating conforms to 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.

**STAINLESS STEEL:** Mechanically abrade the entire surface using a scouring pad or wet and dry sandpaper (do not use steel wool). Clean the surface to remove all residue. Prime the areas 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.

**COPPER AND BRASS:** Remove oil, grease, dirt and other surface contaminants by Hand Tool Cleaning in accordance with SSPC-SP2. Prime the areas the same day as cleaned.

**GLOSSY SURFACES:** For maximum adhesion, sand the surface thoroughly before coating.

**FIRE RESTORATION:** Not recommended. Primer recommendations: KILZ® RESTORATION, KILZ ORIGINAL Interior, KILZ ORIGINAL Interior/Exterior or KILZ ORIGINAL INTERIOR Low Odor primers.

**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](http://www.epa.gov/lead).





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#### CLEAN-UP/DISPOSAL:

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.
- A rusted metal surface is considered sound when only adherent material remains. Rust, mill scale, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife using moderate pressure.
- For best results, apply at temperatures between 40°F - 90°F (material, air and surface). Temperatures above 90°F may affect the application such as drying too fast. 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.
- Shelf life under normal conditions is two years unopened.

#### GENERAL 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.**