



# BENJAMIN MOORE®

## IMPERVO® ALKYD HIGH GLOSS

### METAL & WOOD ENAMEL 133

#### Features

- For exterior or interior use.
- Outstanding adhesion.
- Extremely durable, high gloss finish.
- Resistant to weather.
- Excellent color retention.
- With stands repeated washings.
- No unpleasant odor during application.
- Quick dry.

#### Recommended For:

Use on metal and wood surfaces such as steel, wrought iron, aluminum, galvanized metal, wood trim, furniture, doors, shutters and railings.

#### General Properties

A premium quality, alkyd enamel that when used according to label and system directions provides superior rust inhibition and dries to a mirror-like finish. Impervo® Alkyd High Gloss Metal & Wood Enamel provides for years of durability and is suitable for both exterior and interior surfaces.

#### Limitations:

- Do not apply when air and surface temperatures are below 50° F (10° C).

#### Product Information

##### Colors — Standard:

White, Black, and a variety of ready mixed colors

##### — Tint Bases:

BENJAMIN MOORE® COLOR PREVIEW® bases 1B, 2B, 3B & 4B (Due to the transparent nature of certain bright, clean colors, a primer may be required for best hiding results.)

##### — Special Colors:

Contact your Benjamin Moore & Co. representative.

##### Certification

Master Painters Institute MPI #48  
Formulated with non-photo chemically reactive solvents.  
Available in federally regulated areas only.

##### Federal Specifications Generic Equivalent

TT-E-489-G    TT-E-491-C  
TT-E-505-A    TT-E-506-K

##### Technical Assistance

Available through your local authorized independent Benjamin Moore & Co. retailer. For the location of the retailer nearest you, call 1-800-826-2623, see [www.benjaminmoore.com](http://www.benjaminmoore.com), or consult your local Yellow Pages.

##### Technical Data◇

		Soya-Alkyd
Vehicle Type		Titanium Dioxide
Pigment Type		52%
Volume Solids		500 – 550 Sq. Ft.
Theoretical Coverage At Recommended Film Thickness		
Recommended Film — Wet Thickness		3.5 Mils
Recommended Film — Dry Thickness		1.7 Mils
Dry Time @ 77° F (25° C) @ 50% RH	— Set To Touch	4 Hours
	— To Handle	6 Hours
	— To Recoat	Overnight
	— To Service	24 Hours
If a second coat is required, allow an overnight dry, lightly sanding between coats.		
Dries By	Evaporation, Oxidation	
Viscosity	89 ± 3 KU	
Flash Point	Combustible	
Gloss/Sheen	High Gloss	
Surface Temperature at application	– Min.	50° F
	– Max.	90° F
Thin With	Do Not Thin	
Clean Up Thinner	Mineral Spirits	
Weight Per Gallon	9.9 lbs.	
Storage Temperature	– Min.	40° F
	– Max.	90° F

##### Volatile Organic Compounds (VOC) ◇

374 Grams/Liter – 3.12 LBS/GALLON

◇ Reported values are for Pastel Base. Contact Benjamin Moore & Co. for values of other bases or colors.

## Impervo® Alkyd High Gloss Metal and Wood Enamel (C133)

### Surface Preparation

Surfaces must be clean, dry and free of water soluble materials, grease, wax, scaling paint, rust and mildew. Glossy areas must be dulled by abrading the surface. Protected exterior areas such as eaves, ceilings and overhangs should be washed with detergent solution and rinsed with a strong stream of water from a garden hose to remove surface salts that can interfere with proper adhesion. Spot-prime patched and spackled areas. When dry, apply an overall priming coat as specified below.

**Mildew:** If mildew is present, it must be removed by scrubbing with a commercial mildew wash, or it will continue to grow through the fresh coating. If mildew is widespread, the use of power wash equipment is suggested. CAUTION: Use rubber gloves, work goggles, and protective clothing when applying mildew wash. Follow manufacturer's directions.

**Difficult Substrates:** Benjamin Moore & Co. offers a number of specialty primers for use over difficult substrates such as bleeding woods, grease stains, crayon markings, hard glossy surfaces, galvanized metal, or other substrates where paint adhesion or stain suppression is a particular problem. Your BENJAMIN MOORE® retailer can recommend the right problem-solving primer for your special needs.

**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. Carefully clean up 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 on to [www.epa.gov/lead](http://www.epa.gov/lead)

### Primer/Finish Systems

**Note:** All alkyd-based enamels experience a certain amount of yellowing. This effect is accelerated in dark or poorly ventilated areas. In these problem areas, a suitable acrylic alternative for a gloss finish is Impervex® Latex High Gloss Metal & Wood Enamel (309).

For best hiding results, use Benjamin Moore & Co. primers tinted to the approximate shade of the finish coat. Special Note: Certain custom colors require a Deep Base Primer tinted to a special prescription formula to achieve the desired color. Consult your dealer.

**Metal Surfaces (Rust Free):** Wipe clean with mineral spirits.  
**Primer:** 1 coat IronClad® Alkyd Low Lustre Metal & Wood Enamel (C163)

**Finish:** 1 or 2 coats Impervo® Alkyd High Gloss Metal & Wood Enamel

**Metal Surfaces (Rusted):** Remove flaking rust with a wire brush or power tools.

**Primer:** 1 - 2 coats IronClad® Alkyd Low Lustre Metal & Wood Enamel (C163)

**Finish:** 1 or 2 coats Impervo® Alkyd High Gloss Metal & Wood Enamel

**Galvanized Metal:** All new galvanized metal surfaces must be thoroughly cleaned with mineral spirits to remove contaminants.

**Primer:** IronClad® Latex Low Lustre Metal & Wood Enamel (363/C363) or P04 Acrylic Metal Primer

**Finish:** 1 or 2 coats Impervo® Alkyd High Gloss Metal & Wood Enamel

### New and Unpainted Wood (exterior and interior):

**Primer:** 1 coat IronClad® Alkyd Low Lustre Metal & Wood Enamel (C163)

**Finish:** 1 or 2 coats Impervo® Alkyd High Gloss Metal & Wood Enamel

**New and Unpainted Plaster or Wallboard:** All plaster surfaces must be thoroughly cured for at least 30 days. Drywall surfaces must be free of sanding dust.

**Primer:** Fresh Start® 100% Acrylic All-Purpose Primer (023)

**Finish:** 1 or 2 coats Impervo® Alkyd High Gloss Metal & Wood Enamel

**Previously Painted Surfaces:** Apply one or two coats of Impervo® Alkyd High Gloss Metal & Wood Enamel

**Note:** Depending upon the condition of the substrate, a specific Benjamin Moore primer may be required. Please consult your dealer for advice.

### Application

Mixing of Paint: Stir thoroughly before and occasionally during use. Do not thin. Apply with a china bristle or all purpose synthetic brush, short nap roller, or spray.

**Spray, Conventional:** Do not thin.

**Spray, Airless:** Fluid Pressure — 1,500 to 2,500 PSI;  
Tip — .011 -.015 Orifice

### Thinning/Cleanup

Thinning is unnecessary, but if required to obtain desired application properties, a small amount of clean water may be added. Never add other paints or solvents. Wash painting tools in warm soapy water immediately after use. Spray equipment should be given a final rinse with mineral spirits to prevent rusting.

USE COMPLETELY OR DISPOSE OF PROPERLY. Dry, empty containers may be recycled in a can recycling program. **Local disposal requirements vary, consult your sanitation department or state-designated environmental agency on disposal options..**

### Environmental & Safety Information

**WARNING! COMBUSTIBLE LIQUID AND VAPOR Contains Stoddard Solvent and Xylene.**

VAPOR HARMFUL. CAUSES SKIN, NOSE, AND THROAT IRRITATION.

**NOTICE:** Repeated and prolonged exposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are signs that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Keep away from heat and flame. **Use only with adequate ventilation.** Do not breathe vapors, spray mist or sanding dust. Avoid contact with eyes and prolonged or repeated contact with skin. Wear eye protection and gloves. To avoid breathing vapors or spray mist, open window 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 or wear a properly fitted vapor/particulate respirator approved by NIOSH for use with paints or leave the area. In all cases follow respirator manufacturer's directions for respirator use. Close container after each use.

**FIRST AID:** If affected by inhalation of vapors or spray mist, remove to fresh air. In case of eye contact, flush immediately with plenty of water for at least 16 minutes and call a physician; for skin, wash thoroughly with soap and water. In case of ingestion, DO NOT INDUCE VOMITING. Get medical help immediately.

**IN CASE OF: FIRE—** Use foam, CO<sub>2</sub>, dry chemical, or water fog.  
**SPILL —** Absorb with inert material and dispose of as specified under **Thinning/Cleanup.**

**KEEP OUT OF REACH OF CHILDREN**

**Material Safety Data Sheets available on request from your servicing dealer.**

