



# IRONCLAD<sup>®</sup>

## SUPER SATIN FINISH

### ENAMEL 227

#### Features

- Easy to apply with brush, roller or spray gun
- Excellent wash-ability
- Possesses superb leveling and hiding qualities
- Excellent sag resistance
- Gloss when applied, it reaches its normal satin finish in one week and retains its uniform low lustre finish for years
- Clings to sharp edges and corners

#### Recommended For

For interior use on primed or previously painted metal surfaces

#### General Description

A premium quality, low lustre, alkyd enamel. IronClad<sup>®</sup> Super Satin Finish Enamel possesses superb leveling and hiding qualities, and is easy to apply with brush, roller or spray gun. It has excellent sag resistance, clings to sharp edges and corners. It reaches its normal satin finish in one week.

#### Limitations

- **For metal substrates only**
- Do not apply when air and surface temperatures are below 50° F (10° C).

Product Information		
<b>Colors — Standard:</b> White	<b>Technical Data<sup>◇</sup></b>	
	<b>Pastel Base</b>	
	Vehicle Type	Alkyd
	Pigment Type	Titanium Dioxide
<b>— Tint Bases:</b> Benjamin Moore <sup>®</sup> Color Preview <sup>®</sup> bases 1B, 2B, 3B & 4B	Volume Solids	46.8%
	Coverage per Gallon at Recommended Film Thickness	500 – 550 Sq. Ft.
<b>— Special Colors:</b> Contact your Benjamin Moore & Co. representative.	Recommended Film Thickness	– Wet 3.1 mils – Dry 1.3 mils
	Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint.	
<b>Certification:</b>  <b>VOC compliant in all regulated areas, except South Coast &amp; Maricopa County, AZ</b>  Master Painter Institute MPI# 47	Dry Time @ 77° F (25° C) @ 50% RH	– To Touch 4 Hours – To Recoat 12 Hours
	Painted surfaces can be washed after two weeks. High humidity and cool temperatures will result in longer dry, recoat and service times.	
	Dries By	Evaporation, Oxidation
	Viscosity	95 ± 5 KU
<b>Technical Assistance:</b> Available through your local authorized independent Benjamin Moore <sup>®</sup> retailer. For the location of the retailer nearest you, call 1-800-826-2623, see <a href="http://www.benjaminmoore.com">www.benjaminmoore.com</a> , or consult your local Yellow Pages.	Flash Point	Combustible
	Gloss / Sheen	Low Luster
	Surface Temperature at Application	– Min. 50° F – Max 90° F
	Thin With	Do Not Thin
	Clean Up Thinner	Mineral Spirits
	Weight Per Gallon	10.75 lbs
	Storage Temperature	– Min. 40° F – Max 90° F
	<b>Volatile Organic Compounds (VOC)</b>	
	373 Grams/Liter	3.11 Lbs./Gallon

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

## Surface Preparation

Surfaces must be clean and free of dirt, grease, wax, mildew and scaling paint. Remove contaminants by washing thoroughly with a strong detergent solution. Rinse with clean water and allow to dry thoroughly.

**Mildew:** If mildew is present, it must be removed by scrubbing with a mildew wash, or it will continue to grow through the fresh coating.

**CAUTION:** Use rubber gloves, work goggles and protective clothing when applying mildew wash. Follow manufacturer's directions.

**Note:** All alkyd-based enamels experience a certain amount of yellowing. This effect is accelerated in dark or poorly ventilated areas.

**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

New surfaces should be fully primed, and previously painted surfaces may be primed or spot primed as necessary. For best hiding results, tint the primer to the approximate shade of the finish coat, especially when a significant color change is desired. **Special Note:** Certain custom colors require a Deep Color Base Primer tinted to a special prescription formula to achieve the desired color. Consult your retailer.

### Ferrous Metal (Steel and Iron):

**Primer:** Super Spec HP® Acrylic Metal Primer (P04) or Super Spec HP® Alkyd Metal Primer (P06)

**Finish:** 1 or 2 coats IronClad® Super Satin Finish Enamel (227)

**Non-Ferrous Metal (Galvanized & Aluminum):** All new metal surfaces must be thoroughly cleaned with Super Spec HP® Oil & Grease Emulsifier (P83) to remove contaminants. New shiny non-ferrous metal surfaces that will be subject to abrasion should be dulled with very fine sandpaper or a synthetic steel wool pad to promote adhesion.

**Primer:** Super Spec HP® Acrylic Metal Primer (P04)

**Finish:** 1 or 2 coats IronClad® Super Satin Finish Enamel (227)

**Repaint, All Substrates:** Prime bare areas with the primer recommended for the substrate above.

## Application

Stir thoroughly before and occasionally during use. Apply one or two coats. For best results, use a Benjamin Moore custom-blended nylon/polyester or china bristle brush, Benjamin Moore roller, or a similar product. This product can also be sprayed.

**Spray, Airless:** Fluid Pressure — 1,500 to 3,000 PSI;

Tip — .011–.015 Orifice

## Thinning/Cleanup

**Do not thin.** Never add other paints or solvents. Clean equipment with mineral spirits immediately after use.

**USE COMPLETELY OR DISPOSE OF PROPERLY.** This product contains organic solvents which may cause adverse effects to the environment if handled improperly. Save unused product for touch-up purposes or a household hazardous waste collection program. 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 Health & Safety Information

**WARNING!** COMBUSTIBLE LIQUID AND VAPOR! VAPOR HARMFUL.

**Contains Stoddard Solvent, Xylene, and crystalline silica CAUSES EYE, 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. Crystalline silica may cause cancer when in the respirable form (spray mist or sanding dust).

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.

**WARNING:** This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

**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 15 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

**Refer to Material Safety Data Sheet for additional health and safety information.**