



ULTRA SPEC[®] 500

INTERIOR SEMI-GLOSS FINISH

F546

Features

- Zero VOC
- Low odour
- Excellent hiding
- Spatter resistant
- Decorative and uniform semi-gloss finish
- Washable
- Quick dry
- Easy application
- Soap and water clean up
- MPI Approved
- Eligible for LEED[®] v4 credit

Recommended For

Interior door, trim, cabinet, wall and ceiling surfaces in commercial and institutional environments where a washable gloss finish is desired. For use on primed or previously painted drywall, plaster, wood, metal and wallpapered surfaces.

General Description

A professional-quality interior waterborne gloss finish based on a proprietary cross-linking acrylic resin that tints on the Gennex[®] zero VOC colorant system. This waterborne Interior Semi-Gloss has excellent stain release so it washes clean easily. The product is eligible for LEED[®] v4 credit and passes the most stringent environmental standards in any colour. Because it tints on our Gennex[®] waterborne colorant system all Ultra Spec[®] 500 finishes are available in any colour without an increase in VOC.

Limitations

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

Product Information

Colours — Standard:

White (01)

— Tint Bases:

Benjamin Moore[®] Gennex[®] bases 1X – 4X

— Special Colours:

Contact your Benjamin Moore representative


Certifications & Qualifications:

VOC compliant in all regulated areas

Zero VOC

Class A (0-25) over non-combustible surfaces when tested in accordance with ASTM E-84

Master Painters Institute MPI # 54, 54 X-Green[™], 141, 141 X-Green[™], 147, 147 X-Green[™]



Benjamin Moore's Green Promise[®] designation is our company's assurance that this product meets – and often exceeds – rigorous environmental and performance criteria regarding VOCs, emissions, application, washability, scrubability and packaging, while also delivering the premium levels of performance you expect from Benjamin Moore.

Eligible for LEED [®] v4 Credit	CDPH v1 Emissions Certified	Qualifies for CHPS low emitting credit (Collaborative for High Performance Schools)	VOC (in any colour)
YES	YES	YES	<50 g/L

This Benjamin Moore product has been tested by independent third parties and meets or exceeds the published chemical restriction and performance criteria of the **Green Seal[™] GS-11 2015 standard**

Customer Information Centre:

1-800-361-5898, info@benjaminmoore.ca, www.benjaminmoore.ca

Technical Data[∆]

Base 1

Vehicle Type	Acrylic Copolymer	
Pigment Type	Titanium Dioxide	
Volume Solids	37.9 ± 2%	
Coverage per 3.79 L at	32.5 – 37.1 sq. m.	
Recommended Film Thickness	(350 – 400 sq. ft.)	
Recommended Film Thickness	– Wet	3.9 – 4.2 mils
	– Dry	1.5 – 1.7 mils
Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure colour uniformity and minimize the disposal of excess paint.		
Dry Time @ 25 °C (77 °F) @ 50% RH	– To Touch	2 Hours
	– To Recoat	4 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	Coalescence	
Viscosity	93 ± 3 KU	
Flash Point	N/A	
Gloss / Sheen	Gloss (45 – 55 @ 60°)	
Surface Temperature at Application	– Min.	10 °C (50 °F)
	– Max.	32.2 °C (90 °F)
Thin With	See Chart	
Clean Up Thinner	Clean Water	
Weight Per 3.79 L	11 lbs	
Storage Temperature	– Min.	4.4 °C (40 °F)
	– Max.	32.2 °C (90 °F)

Volatile Organic Compounds (VOC)

0 g/L

Zero VOC post tint (any base and any colour)

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Surface Preparation

Surfaces to be painted must be clean, dry, and free of dirt, dust, grease, oil, soap, wax, scaling paint, water-soluble materials, and mildew. Remove any peeling or scaling paint and sand these areas to feather edges smooth with adjacent surfaces. Glossy areas should be dulled. Drywall surfaces must be free of sanding dust.

New plaster or masonry surfaces must be allowed to cure 30 days before applying base coat. Cured plaster should be hard, have a slight sheen and maximum PH of 10; soft, porous or powdery plaster indicates improper cure. Never sand a plaster surface; knife off any protrusions and prime plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles before priming. Wood substrates must be thoroughly dry.

Difficult Substrates: Benjamin Moore offers a variety 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. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by logging onto Health Canada @ <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/environmental-contaminants/lead/lead-information-package-some-commonly-asked-questions-about-lead-human-health.html>

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 colour change is desired. **Special Note:** Certain custom colours require a Deep Colour Base Primer tinted to a special prescription formula to achieve the desired colour. Consult your retailer.

Wood, and engineered wood products

Primer: Ultra Spec® 500 Interior Latex Primer (K534) or Fresh Start® All-Purpose Alkyd Primer (F024)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Semi-Gloss Finish (F546)

Drywall

Primer: Ultra Spec® 500 Interior Latex Primer (K534) or Fresh Start® Multi-Purpose Latex Primer (F023)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Semi-Gloss Finish (F546)

Plaster (Cured)

Primer: Ultra Spec® 500 Interior Latex Primer (K534) or Fresh Start® Multi-Purpose Latex Primer (F023)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Semi-Gloss Finish (F546)

Rough or Pitted Masonry

Primer: Ultra Spec® Masonry Interior/Exterior Hi-Build Block Filler (K571)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Semi-Gloss Finish (F546)

Smooth Poured or Precast Concrete

Primer: Ultra Spec® 500 Interior Latex Primer (K534) or Fresh Start® Multi-Purpose Latex Primer (F023)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Semi-Gloss Finish (F546)

Ferrous Metal (Steel and Iron)

Primer: Ultra Spec® HP Acrylic Metal Primer (FP04) or Super Spec HP® Alkyd Metal Primer (KP06)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Semi-Gloss Finish (F546)

Non-Ferrous Metal (Galvanized & Aluminum)

All new metal surfaces must be thoroughly cleaned with Corotech® Oil & Grease Emulsifier (V600) 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: Ultra Spec® HP Acrylic Metal Primer (FP04)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Semi-Gloss Finish (F546)

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

Application

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

Conditioning with Benjamin Moore® K518 Extender may be necessary under certain conditions to adjust open time or spray characteristics. The chart below is for general guidance		
	Mild conditions	Severe conditions
	Humid (RH> 50%) with no direct sunlight & with little to no wind	Dry (RH<50%), in direct sunlight, or windy conditions
Brush: Nylon / Polyester	No thinning necessary	Add K518 Extender or water: Max of 236 ml to a 3.79 L of paint Never add other paints or solvents.
Roller: Premium Quality 10 mm roller cover		
Spray: Airless Pressure: 1,500 -2,500 psi Tip: 0.013-0.017		

Thinning/Clean Up

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.

Cleanup: Use soap and water. Spray equipment should be given a final rinse with mineral spirits to prevent corrosion.

Environmental, Health & Safety Information

May cause allergic skin reaction.

Do not get on skin or clothing.

Use only in a well ventilated area. Keep container closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with local regulations. Wash thoroughly after handling.

WARNING: This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

**KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING**

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