



REGAL® SELECT

PREMIUM INTERIOR

PRIMER & UNDERBODY 546

Features

- Spatter resistant
- Flows out to a smooth, non-absorbent finish which seals porous surfaces
- High hiding
- Performs equally well under latex or oil finishes
- One hour re-coat time allows application of primer & finish the same day

Recommended For

Wallboard, wood and engineered wood doors and trim, ceiling tile and masonry surfaces.

General Description

A premium quality, full-bodied, smooth-flowing acrylic primer that provides excellent sealing, high hiding, ease of application and enamel holdout characteristics. Regal® Select finishes are self-priming on most substrates; use Regal® Select Primer & Underbody for difficult substrates and as a deep colour base primer for use under deep tone designer finishes.

Limitations

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

Product Information

Colors:—Standard:

White (00)

May be tinted with up to 2 oz. Benjamin Moore® Gennex® colorant.

—Tint Bases:

Benjamin Moore® Gennex® Deep Color Base (04)

—Special Colors:

Contact your Benjamin Moore representative.

Certification:

VOC Compliant in all regulated areas

Master Painters Institute MPI # 50, 50 X-Green

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



The Green Promise® designation means that this product has been tested by independent third parties and meets or exceeds each standard shown in the first row of the following chart.

LEED®	CHPS (Collaborative for High Performance Schools)	MPI Green Performance™	VOC (in any color)
YES	YES	YES	16 g/L
Products that have the Green Promise® designation also meet or exceed the published chemical restriction and performance criteria included in the standards shown below, based on independent, third-party testing, but have not been certified under any of these standards.			
Green Seal™ GS-11 2010			
YES			

Technical Assistance:

Available through your local authorized independent Benjamin Moore® retailer. For the location of the retailer nearest you, call 1-800-826-2623, see www.benjaminmoore.com, or consult your local Yellow Pages.

Technical Data◊

Tintable White

Vehicle Type	Proprietary Acrylic Latex	
Pigment Type	Titanium Dioxide	
Volume Solids	27.7%	
Coverage per Gallon at Recommended Film Thickness	400 – 500 Sq. Ft.	
Recommended Film Thickness	– Wet	3.6 mils
	– Dry	1.0 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.		
Dry Time @ 77° F (25° C) @ 50% RH	– To Touch	1 Hour
	– To Recoat	1 Hour
High humidity and cool temperatures will result in longer dry, recoat and service times.		
Dries By	Evaporation, Coalescence	
Viscosity	100 ± 2 KU	
Flash Point	None	
Gloss / Sheen	Low Lustre (14 - 18 @ 85°)	
Surface Temperature at Application	– Min.	50° F
	– Max	90° F
Thin With	See Chart	
Clean Up Thinner	Clean Water	
Weight Per Gallon	10.0 lbs	
Storage Temperature	– Min.	40° F
	– Max	90° F

Volatile Organic Compounds (VOC)

16 Grams/Liter .13 Lbs./Gallon

◊Reported values are for Tintable White. Contact Benjamin Moore for values of other bases or colors.

Regal® Select Premium Interior Primer & Underbody 546

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. Spot prime before and after filling nail holes, cracks, and other surface imperfections.

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.

Difficult Substrates: Benjamin Moore 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.

Primer & Underbody/Finish Systems

For best hiding results, tint Regal® Select Primer & Underbody (546) to the approximate shade of the finish coat. **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. While the high quality of our products sometimes makes one-coat coverage achievable, Benjamin Moore recommends two coats of this product to achieve full color development and to maximize paint film performance.

Wood and Engineered wood products:

Primer: Non-bleeding wood: Regal® Select Primer (546)

Bleeding woods; like redwood or cedar: Fresh Start® All-Purpose Alkyd Primer (024) or Alkyd Enamel Underbody (217)

Finish: Appropriate Benjamin Moore® interior finish paint

Drywall:

Primer: Regal® Select Primer (546)

Finish: Appropriate Benjamin Moore® interior finish paint

Plaster:

Primer: Fresh Start® All-Purpose 100% Acrylic Primer (N023) or Fresh Start® 100% Acrylic Superior Primer (046)

Finish: Appropriate Benjamin Moore® interior finish paint

Rough or Pitted Masonry:

Primer: Super Spec® Latex Block Filler (160) or Super Spec® Masonry Interior/Exterior Hi-Build Block Filler (206)

Finish: Appropriate Benjamin Moore® interior finish paint

Smooth Poured or Precast Concrete:

Primer: Regal® Select Primer (546), Fresh Start® All-Purpose 100% Acrylic Primer (N023) or Fresh Start® 100% Acrylic Superior Primer (046)

Finish: Appropriate Benjamin Moore® interior finish paint

Ferrous Metal (Steel and Iron):

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

Finish: Appropriate Benjamin Moore® interior finish paint

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: Appropriate Benjamin Moore® interior finish paint

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

Application

Use product when surface temperature is above 50° F (10° C). Stir thoroughly before use; apply one or two coats. May be sanded or top coated after one hour under normal drying conditions. For best results, use a Benjamin Moore® premium applicator for latex paints. Apply paint generously from unpainted area into wet area. This product can be applied by brush, roller or spray.

Thinning/Cleanup

Conditioning with Benjamin Moore® 518 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
Brush: Nylon / Polyester	Humid (RH> 50%) with no direct sunlight & with little to no wind
Roller: Premium Quality	Dry (RH<50%), in direct sunlight, or windy conditions
Spray: Airless Pressure: 1500 -2500 psi Tip: 0.013- 0.017	<p>Add 518 Extender or water:</p> <p>No thinning necessary</p> <p>Max of 8 fl. oz. to a gallon of paint</p> <p>Never add other paints or solvents.</p>

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 Health & Safety Information

Use only with adequate ventilation. Do not breathe spray mist or sanding dust. Avoid contact with eyes and prolonged or repeated contact with skin. Wear eye protection and gloves during application or sanding. A dust/particulate respirator approved by NIOSH should be worn when sanding or spraying. 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 you experience difficulty in breathing, leave the area to obtain fresh air.

IN CASE OF SPILL – Absorb with inert material and dispose of as specified under Thinning/Cleanup.

KEEP OUT OF REACH OF CHILDREN PROTECT FROM FREEZING

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