ben®
100% ACRYLIC EXTERIOR LOW LUSTRE FINISH 542

Features

- Low temperature application down to 35 °F (1.7 °C)
- Resistant to peeling and cracking
- Excellent hide and color retention
- Resists new mildew formation
- Soap and water clean-up
- 25 Year warranty
- Blister resistant

General Description

A premium quality 100% acrylic latex low lustre house paint designed for application to a wide variety of exterior surfaces such as wood, hardboard, vinyl and aluminum siding, shingles, unglazed brick, concrete, stucco, cinder block, and primed metal. Provides a breathable surface for maximum durability.

Recommended For

For exterior surfaces such as new or previously painted wood, hardboard siding, cured masonry, and unglazed brick.

Limitations

- Do not apply when air and surface temperatures are below 35 °F (1.7 °C).
- Not for interior use

Product Information

Colors — Standard:

White (01)

(May be tinted with up to 2.0 fl. oz. of Benjamin Moore® Gennex® colorants per gallon.)

— Tint Bases:

Benjamin Moore® Gennex® bases 1X, 2X, 3X & 4X

— Special Colors:

Contact your Benjamin Moore Representative

Certifications & Qualifications:

VOC compliant in all regulated areas

Master Painters Institute MPI # 15

Water vapor permeance ASTM D1653: 42 perms

Wind driven rain ASTM D6904 (1 coat 608 masonry primer/1 coat 542)

Early Rain Resistance: 1 ½ – 2 hours after application over wood, primed surfaces or previously painted surfaces (77 °F / 50% RH)

- Other surfaces such as hardboard or vinyl may require a longer dry time

Passes ASTM D3273 / D3274 Mildew, Mold Resistance Tests (no growth)

Technical Assistance

Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 1-866-708-9180 or visit www.benjaminmoore.com

Technical Data		Pastel Base
Vehicle Type		100% Acrylic
Pigment Type		Titanium Dioxide
Volume Solids		33.3%
Coverage per Gallon at Recommended Film Thickness		350 – 475 Sq. Ft.
Recommended Film Thickness	– Wet	3.8 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.		
Dry Time @ 77 °F (25 °C) @ 50% RH	– Dry To Touch	1 Hour
	– 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		Evaporation, Coalescence
Viscosity		105 ± 2 KU
Flash Point		N/A
Gloss / Sheen		Low Lustre (10-15 @ 60°)
Surface Temperature at Application	– Min.	35 °F
	– Max	100 °F
Thin With		See Chart
Clean Up Thinner		Clean Water
Weight Per Gallon		10.7 lbs
Storage Temperature	– Min	40 °F
	– Max	95 °F

Volatile Organic Compounds (VOC)

44.4 Grams / Liter 0.38 Lbs / Gallon

◊Reported values are for Pastel Base. Contact Benjamin Moore for values of other bases or colors

Surface Preparation

Surfaces must be clean, dry and free of oil, grease, wax, rust, mildew, chalk and loose or scaling paint. Cement based water proofing paints should be removed. Glossy surfaces must be dulled. Un-weathered areas such as eaves, porch ceilings, overhangs and protected wall areas should be washed with a Benjamin Moore® Clean (N318) and rinsed with a strong stream of water from a garden hose or power washer to remove contaminants that can interfere with proper adhesion. Stains from mildew must be removed by cleaning with Benjamin Moore® Clean (N318) prior to coating the surface. **Caution:** Refer to the (N318) Clean technical data and material safety data sheets for instructions on its proper use and handling.

All new masonry surfaces must be power washed or brushed thoroughly with stiff fiber bristles to remove loose particles. New masonry substrates must be allowed to cure for 30 days before priming or painting. 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.

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, 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/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.

Wood and engineered wood products:
Primer: Fresh Start® High-Hiding All Purpose Primer (046) or Fresh Start® Multi-Purpose Latex Primer (N023)
Finish:1 or 2 coats ben® Exterior 100% Acrylic Low Lustre Finish (542)

Bleeding Type Woods, (Redwood and Cedar):
Primer: Fresh Start® Fast Dry Alkyd Primer (094) or 1-2 coats of Fresh Start® High-Hiding All Purpose Primer (046) may be used
Finish:1 or 2 coats ben® Exterior 100% Acrylic Low Lustre Finish (542)

Hardboard Siding, Bare or Factory Primed:
Primer: Fresh Start® High-Hiding All Purpose Primer (046) or Fresh Start® Multi-Purpose Latex Primer (N023)
Finish:1 or 2 coats ben® Exterior 100% Acrylic Low Lustre Finish (542)

Vinyl Siding & Vinyl Composite:
In most cases, a primer is not necessary. Only areas of pitted and porous vinyl siding must be primed. In these cases, we recommend Fresh Start® High-Hiding All Purpose Primer (K046), or Fresh Start® Multi-Purpose Latex Primer (F023).
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Colors that are safe for use on vinyl siding - Do not paint vinyl with any color darker than the original color or having a Light Reflective Value (LRV) of less than 55 unless it is in the Benjamin Moore approved Colors for Vinyl palette and comports with the specific vinyl manufacturer guidelines when making the color selection and painting. Otherwise, the color will absorb more heat, possibly causing the siding to warp, resulting in additional repairs and expenses.

Rough or Pitted Masonry:
Primer: Ultra Spec® Masonry Interior/Exterior Hi-Build Block Filler (571)
Finish: or 2 coats ben® Exterior 100% Acrylic Low Lustre Finish (542)

Poured or Pre-cast Concrete and Fiber Cement Siding:
Primer: Ultra Spec® Masonry Interior / Exterior 100% Acrylic Masonry Sealer (608) or Fresh Start® Multi-Purpose Latex Primer (N023)
Finish:1 or 2 coats ben® Exterior 100% Acrylic Low Lustre Finish (542)

Ferrous Metal (Steel and Iron):
Primer: Ultra Spec® HP Acrylic Metal Primer (HP04) or Super Spec HP® Alkyl Metal Primer (P06)
Finish: 1 or 2 coats ben® Exterior 100% Acrylic Low lustre Finish (542)

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: No primer required
Finish: 1 or 2 coats ben® Exterior 100% Acrylic Low lustre Finish (542)

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

Application

Stir thoroughly before and during use. Apply one or two coats.
Paint Application: For best results, use a premium Benjamin Moore® custom-blended nylon/polyester brush, premium Benjamin Moore® roller, or a similar product. Apply paint generously from unpainted area into wet area.This product can also be sprayed. Refer to the chart below for application recommendations.

Thinning/Clean up

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**
	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 **518 Extender** or **water:** Max of 8 fl. oz. to a gallon of paint **Never add other paints or solvents.**
Roller: Premium Quality		
Spray: Airless Pressure: 1500 -2500 psi Tip: 0.013-0.017		

Clean Up: Clean up with warm soapy water. 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

WARNING!

Possible birth defect hazard. Contains, - Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester and 1-Methyl-2-pyrrolidinone, which may cause birth defects based on animal data.

Use only with adequate ventilation. Do not breathe vapors, spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling.

WARNING: Cancer and Reproductive Harm– www.P65warnings.ca.gov

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.

FIRST AID: In case of eye contact, flush immediately with plenty of water for at least 15 minutes; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

IN CASE OF SPILL – Absorb with inert material and dispose of as specified under "Clean Up".

KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING

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

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