



ULTRA SPEC[®]

EXT ACRYLIC SOLID COLOR STAIN

450

Features

- A quality acrylic latex stain with a rustic matte finish
- Provides a breathable surface for maximum durability
- Resistant to peeling and cracking
- Excellent color retention
- Excellent hiding and adhesion.
- Resists new mildew formation
- Fast, simple clean up with warm soapy water mended

Recommended For

- For commercial and residential applications
- For exterior surfaces such as new or previously painted wood, hardboard, fiber cement, masonry, and unglazed brick.

General Description

For use on exterior siding and trim surfaces of wood, engineered wood, hardboard and fiber cement where a rustic flat finish is desired. Ultra Spec[®] Exterior Acrylic Solid Color Stain may also be used on unglazed brick, concrete, stucco, cinder block, and incidental primed metal surfaces.

Limitations

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

Product Information

Colors — Standard: White (01) Can add up to 2 fl.oz of Benjamin Moore [®] Gennex [®] colorant per gallon.	Technical Data		Pastel Base
	Vehicle Type		Acrylic Latex
— Tint Bases: Benjamin Moore [®] Gennex [®] bases 1X, 2X, 3X & 4X	Pigment Type		Titanium Dioxide
	Volume Solids		26%
— Special Colors: Contact your Benjamin Moore Representative	Coverage per Gallon at Recommended Film Thickness		300 – 450 Sq. Ft.
	Recommended Film Thickness	– Wet – Dry	4.3 mils 1.1 mils
Certifications & Qualifications: VOC compliant in all regulated areas	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 – To Recoat	1 Hour 4 Hours
	High humidity and cool temperatures will result in longer dry, recoat and service times.		
	Dries By		Evaporation, Oxidation
	Viscosity		94 ± 3 KU
	Flash Point		None
	Gloss / Sheen		Flat (1 – 5 @ 85°)
	Surface Temperature at Application	– Min. – Max	50 °F 100 °F
	Thin With		Clean Water
	Clean Up Thinner		Clean Water
Weight Per Gallon		10.3 lbs	
Storage Temperature	– Min. – Max	40 °F 90 °F	
Volatile Organic Compounds (VOC)			
43 Grams/Liter		.36 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.

When applying on bare or previously coated cedar or redwood, test an area for tannic acid bleeding. It will be particularly noticeable when applying lighter colored films.

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: No primer needed.

Finish: 1 or 2 coats Benjamin Moore® Ultra Spec® EXT Acrylic Solid Color Stain (450)

Bleeding Type Woods, (Redwood and Cedar):

Primer: Super Spec® Exterior Alkyd Primer (176)

Finish: 1 or 2 coats Benjamin Moore® Ultra Spec® EXT Acrylic Solid Color Stain (450)

Hardboard Siding, Bare or Factory Primed:

Primer: Super Spec® Exterior Alkyd Primer (176) or Ultra Spec® EXT Latex Primer (N558)

Finish: 1 or 2 coats Benjamin Moore® Ultra Spec® EXT Acrylic Solid Color Stain (450)

Rough or Pitted Masonry:

Primer: Ultra Spec® Hi-Build Masonry Block Filler (571)

Finish: 1 or 2 coats Benjamin Moore® Ultra Spec® EXT Acrylic Solid Color Stain (450)

Poured or Pre-cast Concrete and Fiber Cement Siding:

Primer: Ultra Spec® Masonry Interior/Exterior 100% Acrylic Masonry Sealer (608/609)

Finish: 1 or 2 coats Benjamin Moore® Ultra Spec® EXT Acrylic Solid Color Stain (450)

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.

Spray, Airless: Fluid Pressure — 1,500 to 2,500 PSI;
Tip .013 - .017 Orifice

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:
Roller: Premium Quality Nylon/Polyester		Max of 8 fl. oz. to a gallon of stain
Spray: Airless* Pressure: 2000 - 2500 psi Tip: 0.013 - 0.017"		Never add other stains, paints or solvents.

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

Cancer Hazard. Contains Crystalline Silica that can cause cancer when in respirable form (spray mist or sanding dust).

Use only with adequate ventilation. Do not breathe spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Wear an appropriate, properly fitted respirator (NIOSH approved) 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

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.**