ULTRA SPEC®

EXT ACRYLIC SOLID COLOUR STAIN

K450

Features

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

General Description

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

Recommended For

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

Limitations

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

Product Information

Colours — Standard:

White (01)
Can add up to 60 ml of Benjamin Moore® Gennex® colorant per 3.79 L.

— Tint Bases:

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

— Special Colours:

Contact your Benjamin Moore Representative.

Certification:

VOC compliant in all regulated areas.

CUSTOMER SERVICE INFORMATION CENTRE:

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

Technical Data		Pastel Base
Vehicle Type		Acrylic Latex
Pigment Type		Titanium Dioxide
Volume Solids		26%
Coverage per Gallon at Recommended Film Thickness		27.9 – 41.8 sq. m. (300 – 450 Sq. ft.)
Recommended Film Thickness	– Wet	4.3 mils
	– Dry	1.1 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	1 Hour
	– To Recoat	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.	10°C (50°F)
	– Max.	32.2°C (90°F)
Thin With		Clean Water
Clean Up Thinner		Clean Water
Weight Per Gallon		4.7 kg (10.3 lbs)
Storage Temperature	– Min.	4.4°C (40°F)
	– Max.	32.2°C (90°F)

Volatile Organic Compounds (VOC)

43 Grams/Litre

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

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 (K318) 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 (K318) prior to coating the surface. **Caution:** Refer to the (K318) 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 fibre 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 coloured 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. 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 @ http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked_questions-questions_posees-eng.php.

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: No primer needed.
Finish: 1 or 2 coats Benjamin Moore® Ultra Spec® EXT Acrylic Solid Colour Stain (K450)

Bleeding Type Woods, (Redwood and Cedar):
Primer: Super Spec® Exterior Alkyd Primer (K176)
Finish: 1 or 2 coats Benjamin Moore® Ultra Spec® EXT Acrylic Solid Colour Stain (K450)

Hardboard Siding, Bare or Factory Primed:
Primer: Super Spec® Exterior Alkyd Primer (K176) or Ultra Spec® EXT Latex Primer (K558)
Finish: 1 or 2 coats Benjamin Moore® Ultra Spec® EXT Acrylic Solid Colour Stain (K450)

Rough or Pitted Masonry:
Primer: Ultra Spec® Hi-Build Masonry Block Filler (K571)
Finish: 1 or 2 coats Benjamin Moore® Ultra Spec® EXT Acrylic Solid Colour Stain (K450)

Poured or Pre-cast Concrete and Fibre Cement Siding:
Primer: Ultra Spec® Masonry Interior/Exterior 100% Acrylic Masonry Sealer (K608/K609)
Finish: 1 or 2 coats Benjamin Moore® Ultra Spec® EXT Acrylic Solid Colour Stain (K450)

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® 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 can of 3.79 L of stain Never add other stains, paints or solvents.
Roller: Premium Quality Nylon/Polyester		
Spray: **Airless*** Pressure: 2000 - 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.

Environmental Health & Safety Information

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.

KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING

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