



ULTRA SPEC[®] EXT FLAT FINISH N447

Features

- Exceptional film durability.
- Exceptional hiding power.
- Resistant to color fading, blistering, and alkali.
- May be applied at temperatures down to 40°F (4.4°C).
- Easy to apply.
- Rapid dry for quick recoating.
- Provides mildew resistant coating.
- Low VOC in any color.

General Description

A professional quality 100% acrylic exterior flat finish recommended for wood, hardboard, vinyl, aluminum and fiber cement sidings; unglazed brick, concrete, stucco, cinder block, and primed metal.

Recommended For

- For commercial and residential applications
- Recommended for wood; hardboard, aluminum, fiber cement and vinyl siding or trim; stucco, cinder block and unglazed brick, and primed metal.

Limitations

- Do not apply when air and surface temperatures are below 40°F (4.4°C).
- Not for interior use

Product Information

Colors — Standard:	Technical Data	Pastel Base
444 01 White (May be tinted with up to 2.0 fl. oz. of Benjamin Moore [®] Gennex [®] colorants per gallon.)	Vehicle Type	Proprietary Acrylic
— Tint Bases: Bases 1X, 2X, 3X, & 4X Tint bases only with Benjamin Moore [®] Gennex [®] Waterborne colorant.	Pigment Type	Titanium Dioxide
— Special Colors: Contact your Benjamin Moore representative	Volume Solids	37.4% +/- 2%
Certification: VOC compliant in all regulated areas Master Painters Institute MPI # 10 Water vapor permeance (breathability) ASTM D1693: 45.2 perms	Coverage per Gallon at Recommended Film Thickness	350 – 450 Sq. Ft.
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.	Recommended Film Thickness	– Wet 4.0 mils – Dry 1.5 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 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	103 ± 3 KU
	Flash Point	None
	Gloss / Sheen	Flat (1-5@85)
	Surface Temperature at Application	– Min. 40°F – Max. 90°F
	Thin With	See Chart
	Clean Up Thinner	Clean Water
	Weight Per Gallon	11.1 lbs
	Storage Temperature	– Min. 40°F – Max. 90°F
	Volatile Organic Compounds (VOC)	
	45 Grams/Liter	.37 Lbs./Gallon

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

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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 (318) 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 (318) prior to coating the surface. **Caution:** Refer to the (318) 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 or Architectural Representative 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[®] 100% Acrylic Superior Primer (046) or Fresh Start[®] Fast Dry Alkyd Primer (094)

Finish: 1 or 2 coats Ultra Spec[®] EXT Flat Finish (N447)

Bleeding Type Woods, (Redwood and Cedar):

Primer: Fresh Start[®] Fast Dry Alkyd Primer (094) or Fresh Start[®] 100% Acrylic Superior Primer (046).

Finish: 1 or 2 coats Ultra Spec[®] EXT Flat Finish (N447)

Hardboard Siding, Bare or Factory Primed:

Primer: Fresh Start[®] Fast Dry Alkyd Primer (094) or Fresh Start[®] 100% Acrylic Superior Primer (046).

Finish: 1 or 2 coats Ultra Spec[®] EXT Flat Finish (N447)

Vinyl & Vinyl Composite Siding

Note: Ensure that the surface is properly cleaned and in good condition. For colors that are safe for use on these substrates, use approved Vinyl Select colors. For more information, see

<http://www.benjaminmoore.com/en-us/for-contractors/painting-vinyl-and-aluminum-siding>

Primer: Fresh Start[®] Multi-Purpose Latex Primer (N023).

Finish: 1 or 2 coats Ultra Spec[®] EXT Flat Finish (N447)

Rough or Pitted Masonry:

Primer: Super Spec[®] Latex Block Filler (160) or Super Spec[®] Masonry High Build Latex Block Filler (206)

Finish: 1 or 2 coats Ultra Spec[®] EXT Flat Finish (N447)

Poured or Pre-cast Concrete and Fiber Cement Siding:

Primer: Super Spec[®] Masonry (N/066) Acrylic or (C077) Alkyd Masonry Sealer or Fresh Start[®] 100% Acrylic Superior Primer (046)

Finish: 1 or 2 coats Ultra Spec[®] EXT Flat Finish (N447)

Ferrous Metal (Steel and Iron):

Primer: Super Spec HP[®] Acrylic Metal Primer (P04) or Super Spec HP[®] Alkyd Metal Primer (P06)

Finish: 1 or 2 coats Ultra Spec[®] EXT Flat Finish (N447)

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: 1 or 2 coats Ultra Spec[®] EXT Flat Finish (N447)

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.

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: .013-.017		

Thinning/Clean up

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

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: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

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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