



ADVANCE®

WATERBORNE INTERIOR/ EXTERIOR ALKYD HIGH GLOSS N794

Features

- Excellent durability
- Excellent flow and leveling properties
- Extended open time
- Very High Gloss
- Minimal yellowing
- Spatter resistant
- Easy application
- Easy clean up
- Block resistant
- Interior/exterior use

Recommended For

Ideal for interior doors, trim, cabinets, walls, and ceilings. For primed or previously painted wallboard, plaster, masonry, wood and metal. Recommended for exterior use on properly primed metal, masonry, and stable trim substrates such as cedar and redwood.

General Description

A premium quality, waterborne alkyd enamel that delivers the desired flow and leveling characteristics of conventional alkyd paint. It provides a tough, high gloss finish that stands up to repeated washing. It is easy to apply, resists spattering, and cleans up with soap and water.

Limitations

- Depending on weather and drying conditions, it could take up to 30 days to reach optimum hardness.
- Do not use over exterior pine
- Sand glossy alkyds before applying Advance

Product Information

Colors — Standard: White (01), Black (80)	Technical Data [◇]		Pastel Base	
— Tint Bases: Benjamin Moore® Gennex® bases 1X, 2X, 3X, 4X	Vehicle Type	Waterborne alkyd		
— Special Colors: Contact your Benjamin Moore representative.	Pigment Type	Titanium Dioxide		
Certifications & Qualifications: VOC compliant in all regulated areas Class A (0-25) over non-combustible surfaces when tested in accordance with ASTM E-84 Master Painter Institute MPI # 157 Water Vapor Transmission: ASTM D1653 (method A): 2.59 perms	Volume Solids	40%		
	Coverage per Gallon at Recommended Film Thickness	400 – 500 sq. ft. (37.2 – 46.5 sq. m.)		
	Recommended Film Thickness	– Wet – Dry	3.6 mils 1.4 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 – To Recoat	4-6 Hours 16 Hours	
	Advance's full hardness and adhesion develop over time. Do not expose to heavy abrasion or return shelves/tabletops to service for at least 3-5 days to prevent damage to the finish. High humidity or cooler temperatures will prolong dry, recoat and cure times.			
	Dries By	Evaporation, Oxidation		
	Viscosity	91 ± 3 KU		
	Flash Point	None		
	Gloss / Sheen	High Gloss (85 min @ 60°)		
Surface Temperature at Application	– Min. – Max	50 °F (10 °C) 100 °F (37.7 °C)		
Thin With	Clean Water			
Clean Up Thinner	Clean Water			
Weight Per Gallon	10.8 lbs			
Storage Temperature	– Min – Max	40 °F (4 °C) 90 °F (32 °C)		
Volatile Organic Compounds (VOC)				
44 g/L	.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 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.

New plaster or masonry surfaces must be allowed to cure 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 before priming. Wood substrates must be thoroughly dry.

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.

Note: Although Advance yellows less than conventional alkyds, a slight amount of yellowing may occur. This effect is accelerated in dark or poorly ventilated areas and is more visible in lighter colors.

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 HEPHA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Informational 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 use Benjamin Moore® Advance® Waterborne Interior Alkyd Primer tinted to the approximate finish coat color. **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: Advance® Waterborne Interior Alkyd Primer (790), Fresh Start®

Multi-Purpose Latex Primer (N023) or Multi-Purpose Oil Based Primer (024)

Finish: 1 or 2 coats Advance® Waterborne Alkyd High Gloss (N794)

Cabinetry-All surfaces to be roughened by sanding (220 grit or coarser) before priming; light sanding between coats allows for a smoother finish; all dust must be cleaned.

Wood, MDF & Thermofoil

Primer: 1 coat Advance® Waterborne Interior Alkyd Primer (790)

Finish: 1 or 2 coats Advance® Waterborne Alkyd High Gloss (N794)

Laminate (Formica)

Primer: Fresh Start® High-Hiding All Purpose Primer (046)

Finish: 1 or 2 coats Advance® Waterborne Alkyd High Gloss (N794)

Plastic (Vinyl) Veneer

Primer: 1 coat of Advance® Waterborne Interior Alkyd Primer (790) after removing plastic veneer by sanding away (an electric sander with a 100 grit paper works fine; manual sanding may need to be vigorous)

Finish: 1 or 2 coats Advance® Waterborne Alkyd High Gloss (N794)

Drywall

Primer: Advance® Waterborne Interior Alkyd Primer (790) or Fresh Start®

Multi-Purpose Latex Primer (N023)

Finish: 1 or 2 coats Advance® Waterborne Alkyd High Gloss (N794)

Plaster

Primer: Fresh Start® Multi-Purpose Latex Primer (N023) or Fresh Start® High-Hiding All Purpose Primer (046)

Finish: 1 or 2 coats Advance® Waterborne Alkyd High Gloss (N794)

Rough or Pitted Masonry

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

Finish: 1 or 2 coats Advance® Waterborne Alkyd High Gloss (N794)

Smooth Poured or Pre-cast Concrete

Primer: Ultra Spec® Masonry Interior / Exterior 100% Acrylic Masonry Sealer

(608) or Fresh Start® Multi-Purpose Latex Primer (N023)

Finish: 1 or 2 coats Advance® Waterborne Alkyd High Gloss (N794)

Ferrous Metal (Steel and Iron)

Primer: Ultra Spec® HP Acrylic Metal Primer (HP04) or Super Spec HP® Alkyd Metal Primer (P06)

Finish: 1 or 2 coats Advance® Waterborne Alkyd High Gloss (N794)

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: Ultra Spec® HP Acrylic Metal Primer (HP04)

Finish: 1 or 2 coats Advance® Waterborne Alkyd High Gloss (N794)

Hard Glossy Alkyd Surfaces

Abrasion by sanding leads to optimum adhesion.

Repaint, All Substrates: Prime bare areas with the primer recommended for the substrate above. Sand glossy alkyds before applying Advance.

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® Microfiber roller, or a similar product. Apply paint generously from unpainted area into wet area. This product can also be sprayed.

Extra ventilation is necessary under humid conditions to speed the dry time of Advance, especially when the paint is applied over sealed, hard, non-porous surfaces. The chart below is for general guidance.		
Mild conditions	Severe conditions	Very severe conditions
Dry (RH<50%), and Temperature between 70° F and 90° F	(RH> 50%), and/or temperature between 50° F and 70° F	RH> 85%, or temperature < 50° F
Advance will dry normally. Dry to touch: 4-6 hours To Recoat: 16 hours	Advance will dry slower than normal unless the following is done to speed the dry time: Ventilate the room with a fan and/or turn on A/C to lower the humidity.	Do not apply Advance

Spray, Airless: Fluid Pressure — 1,500 - 2,500 PSI;
Tip — .011 - .015 Orifice

Spray, HVLP: Fluid Pressure — 20 PSI;
Tip — 1.8 / 4 fl.oz. of water per gallon

Thinning/Clean Up

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. Clean up with warm soapy water. Brushes and rollers should be given a final rinse with mineral spirits to remove residual alkyd. Spray equipment should be given a final rinse with mineral spirits to prevent rusting. Follow local requirements for solvent use.

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. May cause allergic skin reaction. 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

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**