



BENJAMIN MOORE®

ADVANCE™

WATERBORNE INTERIOR ALKYD FLAT

791

Features

- Excellent hide
- Excellent durability
- Excellent flow and leveling properties
- Minimal yellowing
- Spatter resistant
- Easy application
- Easy clean up

Recommended For:

Ideal for interior walls, and ceilings. For new or previously painted wallboard and primed or previously painted plaster, masonry, wood and metal.

General Properties

A premium quality waterborne alkyd flat that delivers the desired flow and leveling characteristics of a conventional alkyd paint. It provides a tough, high hiding flat finish that stands up to repeated washing. ADVANCE™ Waterborne Alkyd Flat (791) shows minimal yellowing unlike conventional alkyd enamels. It is easy to apply, resists spattering, dries fast and has excellent flow and leveling.

Limitations:

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

Product Information

Colors — Standard:

White (01)

— Tint Bases:

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

— Special Colors:

Contact your Benjamin Moore & Co. representative.

Certification:

Based on independent, third-party laboratory testing, this product meets or exceeds each standard shown in the following chart.

LEED®	CHPS (Collaborative for High Performance Schools)	VOC
YES	YES	48.0 g/L

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.

Technical Data◇

		Pastel Base
Vehicle Type		Waterborne alkyd
Pigment Type		Titanium Dioxide
Volume Solids		47 %
Theoretical Coverage At Recommended Film Thickness		400 – 500 Sq. Ft.
Recommended Film Thickness	— Wet	3.8 mils
	— Dry	1.8 mils
Dry Time @ 77° F (25° C) @ 50% RH	— Set to Touch	4-6 Hours
	— To Recoat	16 Hours
High humidity and low temperatures will prolong dry time.	— To Service	3-5 days
Dries By		Evaporation, oxidation
Viscosity		102 ± 2 KU
Flash Point		None
Gloss/Sheen	(< 5 @ 85°)	Flat
Surface Temperature at application	– Min.	50° F
	– Max.	90° F
Thin With		Clean Water
Clean Up Thinner		Clean Water
Weight Per Gallon		12.61 lbs.
Storage Temperature	– Min.	40° F
	– Max	90 °F

Volatile Organic Compounds (VOC) ◇

40 Grams/Liter – 0.33 LBS/GALLON

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

ADVANCE™ Waterborne Alkyd Flat (791)

Surface Preparation

Surfaces to be painted must be clean, dry and free from dirt, dust, wax, soap, mildew, oil, grease, and water soluble materials. Water dispersed detergents (trisodium phosphate) and abrasive cleaners are more suitable than solvent based preparations for surface cleaning. Rinse well to remove residues. Remove any peeling or scaling paint, and sand these areas to feather edges smooth with adjacent surfaces. Hard, glossy areas should be dulled with fine grit sandpaper to ensure proper adhesion. Prime before and after filling nail holes, cracks, and other surface imperfections. See below for the appropriate primer.

Unpainted Surfaces & Masonry: New plaster or masonry surfaces must be allowed to cure (30 days) before priming. All surfaces must be thoroughly brushed with stiff fiber bristles to remove loose particles.

Repaint Surfaces: Remove any peeling or scaling paint, and sand these areas to feather edges smooth with adjacent surfaces. Unpainted metal surfaces should be primed with an appropriate BENJAMIN MOORE® primer.

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.

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

ADVANCE™ waterborne alkyd primer (B790) is the preferred primer in most situations. For best results when a significant color change is required, use ADVANCE™ waterborne alkyd primer (B790) tinted to the approximate finish coat color.

Wood, New:

Primer: FRESH START® Alkyd Enamel Underbody (217), FRESH START® All-Purpose Alkyd Primer (024), or FRESH START® All Purpose 100% Acrylic Primer (023)

Finish: 1 or 2 coats ADVANCE™ WATERBORNE ALKYD FLAT (791)

Wood, Repaint:

Primer: Spot prime as needed with FRESH START® Alkyd Enamel Underbody (217), FRESH START® All-Purpose Alkyd Primer (024), or FRESH START® All Purpose 100% Acrylic Primer (023)

Finish: 1 or 2 coats ADVANCE™ WATERBORNE ALKYD FLAT (791)

Wallboard/Cured Plaster/, New:

Primer: ADVANCE™ waterborne alkyd primer (B790)

Finish: 1 or 2 coats ADVANCE™ WATERBORNE ALKYD FLAT (791)

Plaster/Wallboard, Repaint:

Primer: ADVANCE™ waterborne alkyd primer (B790)

Finish: 1 or 2 coats ADVANCE™ WATERBORNE ALKYD FLAT (791)

Masonry, New:

Rough or Pitted Masonry:

Primer: Super Spec® Latex Block Filler (260)

Finish: 1 or 2 coats ADVANCE™ WATERBORNE ALKYD FLAT (791)

Smooth Poured or Precast Concrete, cured:

Primer: ADVANCE™ waterborne alkyd primer (B790)

Finish: 1 or 2 coats ADVANCE™ WATERBORNE ALKYD FLAT (791)

Glossy alkyd repaint: Roughen surface by sanding, then clean off dust like any glossy surface.

Finish: 1 or 2 coats ADVANCE™ WATERBORNE ALKYD FLAT (791)

Masonry, Repaint:

Primer: Spot prime as needed with ADVANCE™ waterborne alkyd primer (B790)

Finish: 1 or 2 coats ADVANCE™ WATERBORNE ALKYD FLAT® (791)

Unpainted Metal (Ferrous):

Primer: IRONCLAD® Latex Flat Metal & Wood Enamel (363) or IRONCLAD® Alkyd Flat Metal & Wood Enamel (Z163)

Finish: 1 or 2 coats ADVANCE™ WATERBORNE ALKYD FLAT® (791)

Galvanized Metal: All new galvanized metal surfaces must be thoroughly cleaned with mineral spirits to remove contaminants.

Primer: IronClad® Latex Low Lustre Metal & Wood Enamel (363/C363) or P04 Acrylic Metal Primer

Finish: 1 or 2 coats ADVANCE™ WATERBORNE ALKYD FLAT® (791)

Application

Mixing of Paint: Stir thoroughly before and during use.

Apply one or two coats. For best results, use a BENJAMIN MOORE® custom-blended nylon/polyester brush, BENJAMIN MOORE® Professional microfiber roller, or a similar product. This product can also be sprayed.

Spray, Conventional: Thin as needed with small amounts of clean water.

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

Thinning/Cleanup

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. Wash painting tools in warm soapy water immediately after use. 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. 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: 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 "CleanUp".

KEEP OUT OF REACH OF CHILDREN PROTECT FROM FREEZING

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

**Material Safety Data Sheets available
on request from your servicing retailer.**



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