



The new generation, interior, waterborne enamel for wood and metal surfaces.
Matte.

BENEFITS & GENERAL DESCRIPTION:

Ecologic, waterborne alkyd enamel employing the newest, innovative technologies. ADVANCE offers the application and performance of traditional solvent-borne alkyd enamel in a waterborne formula. It flows and levels like a traditional alkyd with the extended open-time required to achieve high-end finishes. Product is available in unlimited colors, in ecological Gennex® Platform based on the ZERO VOC colorants. Enamel is intended for painting of interior wooden and metal surfaces like cabinets, furniture, trims, wall panel boards and additional elements like baseboards, balustrades, handrails, etc. as well as walls in high traffic areas. The special waterborne technology significantly reduces odor and yellowing tendency, two main disadvantages of conventional solvent-borne alkyds. Moreover it's so easy to wash the hands and tools with water in compare to traditional enamels. ADVANCE® WATERBORNE INTERIOR ALKYD MATTE 791 creates very durable, fully washable with soap and water, mechanically resistant, matte finish with high hiding-power and excellent adhesion to the substrate. Enamel characterizes easy application and thixotropic formula. Product meets the LEED® v4 Credit requirements.

PROPERTIES:

- *excellent flow and levelling properties*
- *minimal yellowing*
- *no odor in compare to conventional solvent-borne alkyd enamels*
- *excellent durability and mechanical strength*
- *washing and wet-scrubbing resistance*
- *excellent adhesion to the substrate*
- *reduced content of „VOC“ compounds*
- *easy application and thixotropic formula*
- *meets LEED® v4 Credit requirements*

Technical information – Pastel Base 1X	
vehicle type:	waterborne alkyd resin
pigment type **:	titanium dioxide
volume solids**:	48,8 ± 1 %
coverage:	approx. 12 m ² /l for one coat depending on surface texture, porosity and absorbing properties, application method and painting tool used. Test should be perform in order to determine the coverage of the given surface.
recommended film thickness:	
- wet	91,8 µm
- dry	43,3 µm
dry time (at temp. + 25°C and relative air humidity 50%):	
- to touch:	min. 4-6 hours
- to recoat (the next coat application):	min. 16 hours
- full cure and final technical parameters and durability:	min. 30 days
dries by:	evaporation and oxidation
viscosity **:	98 ± 4 KU
flash point:	none
gloss/sheen:	matte (2-6 @ 85°)
colors:	White 01 and Bases 1X, 2X, 3X, 4X intended for tinting in the GENNEX® Platform system. White 01 may be tinted with up to 2.0 fl. oz. (64 units) of Benjamin Moore colorants per gallon. Full range of Benjamin Moore colors.
reaction to fire:	Class A (0-25) over non-combustible surfaces when tested in accordance with ASTM E-84.
painting surface temperature:	min +10°C, max. +32°C
thin with:	not recommended, if needed use clean water
clean up thinner:	clean water
weight per 1 l **:	1,52 kg
storage temperature:	min. +5°C, max. +32°C
VOC:	EU VOC limit for this product (Cat. A/d): 130 g/l (2010). Max. VOC: 18-19 g/l.
Natural environment protection/ecology, certification:	<ul style="list-style-type: none"> ● Product qualifies for: LEED® v4 Credit, CDPH v1 (Emission Certified) and CHPS (California's Collaborative for High Performance Schools and Master Painters Institute MPI # 165.
packaging***:	0,95 l; 3,78 l

*** 3,78 L = 1 gallon; 0,95 L = ¼ gallon

** reported values are for Pastel Base 1X and can be different in case of other Bases.

RECOMMENDED FOR

Range of use: previously primed wooden, plywood and metal surfaces, traditional mineral, cement-lime and cement plasters, thin-layered mineral and acrylic plasters, gypsum patch compounds and fillers, drywalls, wallpapers, building blocks, concrete, latex (generally dispersion and emulsion paints) paints renovation.

It's also possible to apply the paint to prepared and primed with a special adhesion primer glass, ceramic tiles or glass-fiber.

Surface preparation:

● **new surfaces:**

New cement-lime and cement plasters and concrete must be allowed to cure at least 4 weeks. Surfaces finished with gypsum fillers or plasters can be decorated after their full drying and curing. Remove dirt, dust, wax, grease and oil spots and loose or weak parts of substrate. All imperfections and cracks must be filled with a special patching compound, similar to original used one. Remove microorganisms (e.g. fungus and mildew) using a special agent. Prime the substrate according to below recommendations:

Walls prime with: FRESH START® HIGH-HIDING ALL PURPOSE PRIMER 046.

Wooden and wooden-like substrates: FRESH START® HIGH-HIDING ALL PURPOSE PRIMER 046 or ADVANCE® WATERBORNE INTERIOR ALKYD PRIMER 790.

Non-ferrous metal (galvanized steel and aluminum) prime with: STIX® WATERBORNE BONDING PRIMER SXA-110 of INL-X brand.

Warning: the priming is a technological requirement in case of not primed or not painted substrates.

● **previously painted surfaces:**

Remove dirt, dust, wax, grease and oil spots, all paint layers and loose or weak parts of the substrate. The glossy surfaces must be dulled. All imperfections and cracks must be filled with a special patching compound, similar to original used one. Remove microorganisms (e.g. fungus and mildew) using a special agent.

In case of old paint layers renovation the test should be performed on small surface area. Positive result, decides on application of the product on the whole surface.

The priming is not necessary if existing coat is in an excellent condition. Exposed parts of substrate also those after the reparation must be primed with a proper primer from Benjamin Moore & Co. offer.

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Non-ferrous metal (galvanized steel and aluminum) prime with: STIX® WATERBORNE BONDING PRIMER SXA-110 of INL-X brand.

In case of problematic and untypical surfaces like ceramic tiles, plastics, glass, glossy paint layer, etc., use adhesion priming paint STIX® WATERBORNE BONDING PRIMER SXA-110 INSL-X brand.

APPLICATION

The substrate must be solid, completely dry, clean, free of dust and degreased. The enamel is in ready to use form. Stir thoroughly before and during use. Apply one or two coats after min. 8 hours from priming with ADVANCE® WATERBORNE INTERIOR ALKYD PRIMER 790, min. 24 hours in case of use FRESH START® HIGH-HIDING ALL PURPOSE PRIMER 046.

In case of use STIX SXA-110 provide the min. time interval 24 hours. to 7 days (see the details in TDS of mentioned primer) before ADVANCE® WATERBORNE INTERIOR ALKYD MATTE 791 application.

Apply with brush, roller or spraying gun. For airless method provide the following parameters: pressure 103÷172 bar and tip 0.011-0.015. Do not apply above the relative air humidity 85%. Work using „wet in wet” system, avoiding creating overlaps.

The next coat apply after min. 16 hours. Technological breaks must be planned at the wall corners or other elements. Do not apply on the substrates painted previously with limewash or glue paints.

It is recommended to use BENJAMIN MOORE or PREMIER painting tools and FrogTape® (with PaintBlock Technology®), KIP® or Painter's Matte Green® masking tapes.

Weather conditions during and after application:

Carry out the painting work at the air and substrate temperature > +10°C. The optimal conditions: + 20°C and relative air humidity 50%.

Drying time:

At the temperature of +25°C and relative air humidity 50% the paint dries approx. 4-6 hours. At mentioned weather conditions the next coat apply after min. 16 hours. The coat achieves the final parameters and resistance to washing with water after min. 30 days after application.

Advance's full hardness and adhesion develop over time. Do not expose finish to heavy abrasion or return shelves/tabletops to service for at least 5-7 days to prevent damage of the finish. High humidity or cooler temperatures will prolong dry, recoat and cure time.

Clean up:

Wash painting tools in warm soapy water immediately after use.

Warning: Use system: enamel *ADVANCE® WATERBORNE INTERIOR ALKYD MATTE 791* and primers from Benjamin Moore & Co. offer. Ensure enough amount of product from one production batch in order to avoid some color differences.

Do not use Bases 1X, 2X, 3X i 4X not tinted in GENNEX® Platform system.

Only GENNEX® Waterborne Colorants can be added to ADVANCE® enamel.

The coat achieves the final parameters and resistance to washing with water and wet-scrubbing after min. 30 days after application.

Producer is not responsible for bad quality of the painted surface if the above instructions aren't obeyed. Producer is not responsible for the damages appeared in results of use over 3,78 l of paint, because to this quantity any defects of product should be demonstrated and notified in the proper point of sale.

ENVIRONMENTAL: Do not pour liquid residues into sewerage systems. They should be referred to specialized companies with appropriate authorization for disposal.

Empty cans and liquid waste should be recycled or disposed of in accordance with local regulations.

HEALTH & SAFETY INFORMATION: Do not eat. Keep out of reach of children. Avoid contact with eyes and prolonged contact with skin. In case of eye contact, flush immediately with plenty of water. In case of ingestion clean mouth with water and afterwards drink plenty of water. Consult a physician; show this container or label. Do not breathe spray mist or sanding dust. Use only with adequate ventilation. Ensure fresh air entry during application and drying. During application in closed spaces, wear the protective clothing, gloves and eye/face protection. In case of spraying method wear approved respirator. MSDS available on demand of consumer.

EXPIRE DATE: 4 years from the production date in the factory-sealed package The expire date is indicated on the packaging.

CERTIFICATES & APPROVALS:

- The product is qualified with Hygienic Certificate.



This specification is effective from: 04.2022.

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