



AURA[®]
WATERBORNE EXTERIOR PAINT
SATIN U631



Waterborne, super premium façade acrylic paint with revolutionary "ColorLock Technology", which creates coats of highest resistance to weather conditions and exceptional color durability. Satin.



BENEFITS & GENERAL DESCRIPTION: a super premium quality, waterborne, façade acrylic latex paint is part of an innovative paint and colorant system integrating the best, most advanced technologies combined in one revolutionary, patented „ColorLock[®] Technology”, which provides exceptional durability and resistance to climate conditions as well as the best technical parameters.

Paint engineered with Gennex[®] Color Technology is intended for protection and decoration of traditional masonry mineral substrates including ETICS (External Thermal Insulation Composite Systems), fiber cement board, shakes, wood and vinyl or aluminum siding.

Product provides extremely resistance to weather conditions (rain, temperature fluctuation, UV radiation), high resistance to mineral salts, alkali, chalking, blistering, peeling, dirt pick-up and microorganisms attack.

Paint is suitable for wind driven rain when applied according to recommendations (Wind Driven Rain Test).

Moreover AURA[®] WATERBORNE EXTERIOR PAINT SATIN FINISH N631 characterizes excellent, extreme hiding power, superior adhesion, elasticity, permeability to water vapor, exceptional flow and leveling properties and incredible color retention (under the influence of UV radiation).

Paint extends workday and the painting season – can be applied in colder months with temperatures as low + 1.7°C.



„ColorLock[®] Technology” – revolutionary technology. The New Generation of façade paint!



conventional paint



ColorLock[®] Technology

In conventional paint the particles of colorants adhere loosely to the resin molecules. They are not uniformly dispersed in the paint structure.

Our exclusive Color Lock[®] Technology microscopically bonds the highest quality color pigments tightly to the paint for extraordinary results. Color pigments are locked into the paint film (and protected), forming the specific microcapsules.

Thanks to „ColorLock[®] Technology” it was created the most durable façade paint, ensures the best protection of exterior surfaces exposed to atmospheric conditions. The new technology provides finish which presents the exceptional color depth, highest color retention and resistance to UV radiation.

Aura U631 is tinted with innovative, free of harmful VOC compounds Gennex[®] colorants which reinforce the technical parameter of final coat.

PROPERTIES:

- excellent façade protection against the weather conditions (rain, temperature fluctuation)
- extreme resistance to UV (excellent color retention)
- the best durability thanks to „ColorLock[®] Technology”
- dirt pick-up resistance
- effective protection against moisture (hydrophobic properties)
- water-vapor permeability
- flexibility
- mechanical strength
- high resistance to mineral salts, alkali, chalking and peeling

Technical information – Pastel Base 1X	
vehicle type:	waterborne, proprietary acrylic dispersion
pigment type:	titanium dioxide
volume solids*:	43,1 ± 2 %
coverage:	approx. 7-10 m ² /l for one coat depending on surface texture, porosity and absorbing properties, application method and painting tool used. Test should be performed in order to determine the coverage of the given surface.
recommended film thickness:	
- wet	116,8-160 µm
- dry	50,8-68,6 µm
dry time (at temp. + 25°C and relative air humidity 50%):	
- to touch:	min. 1 hours
- to recoat (the next coat application):	min. 4 hours
- full cure and final technical parameters and durability:	min. 21 days
dries by:	evaporation and coalescence
viscosity:	100 ± 4 KU
flash point:	none
gloss/sheen:	satin (20-30 @ 60°)
colors:	White and Bases 1X, 2X, 3X, 4X intended for tinting in the GENNEX [®] Platform system. Full range of Benjamin Moore colors. White 01 may be tinted with up to 2.0 fl. oz. (64 units) of Benjamin Moore colorants per gallon.
painting surface temperature:	min +1.7°C, max. +37°C
thin with:	not recommended, if needed use clean water
clean up thinner:	clean water
weight per 1 l*:	1,36 kg
storage temperature:	min. +5°C, max. +32°C
VOC:	EU VOC limit for this product (Cat. A/c): 40 g/l (2010). Max. VOC: 19 g/l.
TEST RESULTS:	<ul style="list-style-type: none"> ● Wind Driven Rain ASTM D6904: pass (< 0.2) 1 coat 608 masonry primer/1 coat U631. ● Water Vapor Permeance ASTM D1653: 32.4 perms. ● Alkali Resistance Test ASTM D1308: pass 1 coat Ultra Spec[®] Acrylic Masonry Sealer N066 White, 1 or 2 coats Aura[®] Exterior Paint Satin U631 ● Mildew Resistance Tests ASTM D3273 / D3274 Pass: no growth. ● Conical Mandrel Flexibility Test ASTM D522/522M Pass: no cracking ● Elongation & Tensile Strength ASTM D2370 : 577 PSI 130%
COMPLIANCE & CERTIFICATIONS:	Master Painters Institute MPI # 15, OTC, OTC II, CARB, CARB07, CARB19, UTAH, AZMC, SCAQMD
packaging**:	0,95l; 3,78 l

* reported values are for Base for tinting and can be different in case of other Bases or colors, **3,78 L = 1 gallon; 0,95 l = ¼ gallon

RECOMMENDED FOR

Range of use: traditional mineral, cement-lime and cement plasters, thin-layered mineral and acrylic plasters in ETICS (External Thermal Insulation Composite Systems), fiber cement board, building blocks, unglazed brick, concrete, OSB boards, shakes, latex (generally dispersion and emulsion paints) paints renovation, previously primed wooden, PVC and metal surfaces. It's possible to apply paint on specially prepared and primed before glass, ceramic substrates (like ceramic tiles) and glass fiber surfaces.

Surface preparation:

● new surfaces:

Traditional mineral, cement-lime, cement plasters and concrete : new cement-lime and cement plasters and concrete must be allowed to cure at least 4 weeks. In case of new constructions it is recommended to wait until the first heating season in order to evaporate so called "constructional moisture". Remove dirt, dust, wax, grease and oil spots, lose or weak parts of substrate and salt deposits. Exterior masonry must be power washed and dry. In case of chalky surfaces use a sandblasting. 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.

Prepared in described above way substrate prime with *ULTRA SPEC[®] MASONRY INTERIOR/EXTERIOR 100% ACRYLIC SEALER 608 WHITE* (product can be use when the max. pH value of mineral substrate is 13; this value is achieved after approx. 7 days of mineral plasters drying). In case of some weak substrates in order to its reinforcement use a primer *COROTECH[®] CLEAR ACRYLIC SEALER V027* or *ULTRA SPEC[®] MASONRY INTERIOR/EXTERIOR 100% ACRYLIC SEALER 608 00 CLEAR*.

On some difficult substrates with some spots and stains use a special priming paint *FRESH START[®] HIGH-HIDING ALL PURPOSE PRIMER 046*.

Wooden substrates:

Bare wooden substrates must be dry and correct seasoned. Remove dirt, dust, wax, grease and oil spots, tree saps and loose or weak parts of substrate. All imperfections and cracks must be filled with a special patching compound for wood. Remove microorganisms (e.g. fungus and mildew) using a special agent.

Prepared in described above way substrate prime with *FRESH START[®] HIGH-HIDING ALL PURPOSE PRIMER 046*.

Vinyl siding and vinyl composite: *FRESH START[®] HIGH-HIDING ALL PURPOSE PRIMER 046* or *STIX[®] WATERBORNE BONDING PRIMER SXA-110 INSL-X* brand.

Metal surfaces: non-ferrous like galvanized steel and aluminum - remove dirt, dust, grease, rust, oxide layer and degrease with White Spirit. It's also possible to use for this purpose water with detergent addition.

In case of galvanized steel use a special cleaning agent with ammonia. Then wash thoroughly whole cleaned surface with water and leave to dry. Steel (and exposed steel on galvanized metal surfaces) – remove dirt, dust, grease, rust and degrease with White Spirit. Prime with a proper primer from the Benjamin Moore & Co. offer.

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. Exterior masonry must be power washed and dry. In case of chalky surfaces use a sandblasting. 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.

Remove tree saps from wood and rust as well as oxides layers in case of metal surfaces.

In case of old paint 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.

Traditional mineral facades (mineral plasters, concrete): surface prime with *ULTRA SPEC® MASONRY INTERIOR/EXTERIOR 100% ACRYLIC SEALER 608 WHITE*. In case of some weak substrates or partially repaired, in order to its reinforcement use a primer *COROTECH® CLEAR ACRYLIC SEALER V027* or *ULTRA SPEC® MASONRY INTERIOR/EXTERIOR 100% ACRYLIC SEALER 608 00 CLEAR*.

On some difficult substrates with some spots and stains use a special priming paint *FRESH START® HIGH-HIDING ALL PURPOSE PRIMER 046*.

Wooden substrates: prime with *FRESH START® HIGH-HIDING ALL PURPOSE PRIMER 046*.

Vinyl siding and vinyl composite: *FRESH START® HIGH-HIDING ALL PURPOSE PRIMER 046* or *STIX® WATERBORNE BONDING PRIMER SXA-110 INSL-X* brand.

Metal surfaces: if needed prime with a proper primer from the Benjamin Moore & Co. offer.

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.

Warning: for best hiding results, tint the primer to approximate shade of the finish coat, especially when a significant color change is desired.

APPLICATION

The substrate must be solid, completely dry, clean and free of dust. The product is in ready to use form. Stir thoroughly before and occasionally during use.

Apply two coats after min. 12 hours from priming with *COROTECH® CLEAR ACRYLIC SEALER V027*, *ULTRA SPEC® MASONRY INTERIOR/EXTERIOR 100% ACRYLIC SEALER 608 CLEAR* or *ULTRA SPEC® MASONRY INTERIOR/EXTERIOR 100% ACRYLIC SEALER 608 WHITE* and 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 *AURA® WATERBORNE EXTERIOR PAINT SATIN FINISH N631* application.

Apply with brush, roller or spraying gun. For airless method provide the following parameters: pressure 137÷207 bar and tip 0.015-0.017.

When painting job is conducted in high temperature, the relative air humidity below 50%, in direct sunlight or windy conditions add *518 EXTENDER* to *AURA®* paint in the amount of max. 235 ml to 3,78 l paint. It's possible also to add some clean water in the same amount. Never add other paints or solvents.

Work using „wet in wet“ system (that is, continuously, not allowing the paint to dry out when painting with a roller), avoiding creating overlaps. Product offers excellent flow and leveling. Do not over brush in the attempt to smooth our brush marks. If your edges begins to dry or you see that you missed a spot and the paint is already setting up, allow it to dry completely (min. 60 minutes) before touching up that area.

The next coat apply after min. 4 hours. Technological breaks must be planned at the wall corners, building edges and other elements. Do not apply on the substrates painted previously with limewash. Do not use on horizontal surfaces with long-lasting effects of snow and moisture.

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: painting works should be carried out at the temperature of the substrate not lower than +1.7°C, provided that during the drying of the paint layer, for min. 72 hours after its

application, the temperature of the substrate will not drop below this value, and the air temperature will remain above +5°C.

The optimal conditions: + 20°C and relative air humidity 50%. Do not apply in direct sunlight or on a hot surface, avoid rain, moisture, low temperatures.

When painting substrates such as primed or painted previously mineral plasters and wood, the paint layer must be protected against rainfall for at least 60 minutes at + 25°C and 50% relative air humidity. This interval in the case of non-absorbent substrates such as vinyl siding and/or in conditions of increased air humidity and lower air and substrate temperatures should be significantly extended, even up to 7 days.

Drying time: At the temperature of +25°C and relative air humidity 50% the paint dries approx. 1 hour. At mentioned weather conditions the next coat apply after min. 4 hours.

The coat achieves the final parameters and resistance after min. 21 days after application.

Clean up: wash painting tools in warm soapy water immediately after use.

NOTE:

The product is intended only for professional use and may only be applied by professional contractors.

use system: paint AURA® WATERBORNE EXTERIOR PAINT SATIN U631 and primers from Benjamin Moore & Co. offer. Ensure enough amount of paint from one production batch in order to avoid some color differences.

Do not use Bases not tinted in GENNEX® Platform system. Only GENNEX® Waterborne Colorants can be added to AURA® paint. For certain deep colors, *FRESH START® HIGH-HIDING ALL PURPOSE PRIMER 046 04 Deep Color Base* must be used to achieve maximum hide and the desired topcoat color.

Do not use on horizontal surfaces with long-lasting effects of snow and moisture.

The coat achieves the final parameters and resistance after min. 21 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, HEALTH & SAFETY INFORMATION:



MSDS available on demand of consumer.

WARNING

Contains Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester, Carbamic acid, butyl-, 3-iodo-2-propynyl ester, Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-, Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxoprop.

Hazard statements

H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

Contains 2-Methyl-4-isothiazolin-3-one, Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester, 1,2-Benzisothiazolin-3-one, 5-Chloro-2-methyl-3(2H)-isothiazolone mixture with 2-methyl-3(2H)-isothiazolone (3:1).

May produce an allergic reaction.

EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves.

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap.

P501 - 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.

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.

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



This specification is effective from: 05.2023.

B.M. Polska Sp. z o. o. guarantee the higher product quality, however can not control the way of its application. The producer is not responsible for the work of Designer and Contractor. The information presented in this technical data sheet were given in good faith, in accordance with the current state of knowledge and practical experience. It does not relieve you of responsibility for carrying out work in accordance with the building construction rules as well as health and safety regulations.

B. M. Poland Sp. z o. o. is not liable for any damage and defects caused by the combined use of the offered products with materials from the portfolio of other manufacturers, as well as in the event of any recipe changes by buyers and users.

B.M Polska Sp. z o. o. reserves the right to change the content in subsequent editions of the technical data sheet without prior notification of the fact to the Clients and full right to modify the products as part of their technological development.

PRODUCER: Benjamin Moore & Co., 101 Paragon Drive, Montvale, NJ 07645, USA, tel. (201) 573 9600, www.benjaminmoore.com
EXCLUSIVE REPRESENTATIVE: B.M. Polska Sp. z o.o., ul. Polczyńska 100, 01-302 Warszawa, tel. + 48 22 533 52 90, fax. +48 22 533 52 99 www.benjaminmoore.pl www.bmpolska.com