



Waterborne, interior latex „Zero VOC\*“ paint with innovative „Cross-Linking Resin Technology“ intended for painting of interior walls provides durable eggshell finish with excellent resistance to washing and wet-scrubbing. Eggshell.

**BENEFITS & GENERAL DESCRIPTION:** waterborne, latex acrylic paint with Zero VOC\* content and innovative „Cross-Linking Resin Technology“ intended for painting of walls and additional elements like baseboards, etc.

„Zero VOC\*“ formula (regardless of color – light or very intense) reduces to minimum possibility of appearing allergy reactions. Mentioned features cause that the product is recommended not only for painting of bedrooms, living rooms or children rooms in residential objects but also public health care objects, schools, kindergartens and hospitals. The newest patent-pending solution „Cross-Linking Resin Technology“ delivers increased durability of the dry paint film, significant extends the life of the coating and improves the resistance to washing and wet-scrubbing as well hiding power properties.

*ULTRA SPEC® 500 INTERIOR EGGSHELL FINISH N538* creates eggshell finish which provides **incredible resistance to washing and wet-scrubbing - class 1 [2µm] according the Standard PN-EN 13300.**

The product characterizes durability, excellent hiding power, no odor emission, typically for conventional paints consisting VOCs, quick drying time and very good application parameters.

Paint is recommended for residential objects like apartments and houses, commercial and public health care objects, public utility facilities, schools, kindergartens as well as food care objects. Meets the LEED® v4 Credit requirements.

**PROPERTIES:**

- „Zero VOC\*“ and ecological formula – „Benjamin Moore’s GREEN PROMISE®“
- reduces to minimum possibility of appearing allergy reactions
- higher durability due to „Cross-Linking Resin Technology“
- excellent washing and wet-scrubbing resistance - class 1 according to Standard PN-EN 13300
- exceptional hiding power, adhesion to the substrate and easy application and spatter-resistant
- meets LEED® v4 Credit requirements

| Technical information – White (01)                         |   |
|--|---|
| vehicle type:  | acrylic dispersion  |
| pigment type **:   | titanium dioxide  |
| volume solids**:   | 42 ± 2 %  |
| coverage:  | approx. 12 m <sup>2</sup> /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  | 109,65 µm   |
| - dry  | 45,9 µm   |
| dry time (at temp. + 25°C and relative air humidity 50%):  |   |
| - to touch:  | min. 2 hours  |
| - to recoat (the next coat application):                   | min. 2-3 hours  |
| - full cure and final technical parameters and durability: | min. 14 days  |
| dries by:  | evaporation and coalescence   |
| viscosity **:  | 95 ± 5 KU   |
| flash point:   | none  |
| gloss/sheen:   | eggshell (10-12 @60°)(10-21 @ 85°)  |
| colors:  | Bases 1X, 2X, 3X, 4X intended for tinting in the GENNEX® Platform system.<br>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 **:   | 1,28 kg   |
| storage temperature:                                       | min. +5°C, max. +32°C   |
| Certificates:  |    |
| VOC:   | <p>* <b>ZERO VOC</b> - despite the use of the latest technologies in the production process, it is impossible to obtain a paint completely free from volatile organic compounds, i.e. with "absolute ZERO VOC". This product contains trace amounts of volatile organic compounds, but their negligible content minimizes negative impact on the natural environment and the human environment. American legislation and US industry guidance including EPA Method 24 allow for products containing less than 1g/l VOC to use the designation "zero VOC". It allows to distinguish a product with such a low VOC content from typical paints containing at least a few grams of VOC per 1 liter. In compliance to the Federal Trade Commission no VOCs are added to paint during the production process. Due to our innovative GENNEX Platform tinting system, which is based on "ZERO VOC" colorants, all of our tinted paints fall within the same "ZERO VOC" classification. EU VOC limit for this product (Cat. A/a): <b>30 g/l (2010). Max. VOC: &lt; 1.0 g/l.</b></p> |
| Natural environment protection/ecology:                    | <p style="text-align: center;">  </p> <p>Product qualifies for: LEED® v4 Credit, Green Seal™ GS-11 2015, CDPH v1 (Emission Certified), CHPS (California's Collaborative for High Performance Schools, MPI Green Performance™ (# 52, 52-X Green™, 145, 145 X-Green™) and MPI High Performance™ (# 139, 139 X-Green™).</p>   |
| packaging***:  | 0,95 l; 3,78 l; 18,9 l  |

\*\* reported values are for Pastel Base 1X and can be different in case of other Bases. \*\*\*3,78 L = 1 gallon; 0,95 L = ¼ gallon

## RECOMMENDED FOR

**Range of use:** traditional cement-lime and cement plasters, thin-layered mineral and acrylic plasters, gypsum filling materials, gypsum substrates, dry walls, wallpapers, construction building blocks, concrete, latex paint coats renovation. It's also possible to apply the paint to primed or previously painted wooden and wooden-like surfaces.

### Surface preparation:

#### ● **new (not painted before) 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 one from the following products: *SUPER HIDE® ZERO VOC INTERIOR LATEX PRIMER 354* or *FRESH START® HIGH-HIDING ALL PURPOSE PRIMER 046*.

In case of weak substrate in order to its reinforcement, before one of mentioned primer application use a primer *COROTECH® CLEAR ACRYLIC SEALER V027*.

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

Wooden and wooden-like substrates: *FRESH START® HIGH-HIDING ALL PURPOSE PRIMER 046*.

**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.

Walls prime with one from the following products: *SUPER HIDE® ZERO VOC INTERIOR LATEX PRIMER 354* or *FRESH START® HIGH-HIDING ALL PURPOSE PRIMER 046*.

Wooden and wooden-like substrates: in case of partially reparations (small holes, mechanical damages, cracks, etc.) prime repaired places with *FRESH START® HIGH-HIDING ALL PURPOSE PRIMER 046*.

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.

● **wallpapered surfaces:** remove all wallpapers with a weak adherence to the substrate, remove old adhesive, sand, remove dust and glue using the proper adhesive. Remove dirt, dust, wax, grease and oil spots from wallpapers and prime with *SUPER HIDE® ZERO VOC INTERIOR LATEX PRIMER 354* or *FRESH START® HIGH-HIDING ALL PURPOSE PRIMER 046*.

**Warning:** use a primer in the color similar to the top coat (if there is a technical possibilities; see the details in TDSs of selected primer).

## APPLICATION

The substrate must be solid, completely dry, clean and free of dust. The paint is in ready to use form. Stir thoroughly before and during use. Apply min. two coats after min. 4 hours from priming with *SUPER HIDE® ZERO VOC INTERIOR LATEX PRIMER 354*, min. 12 hours in case of *COROTECH® CLEAR ACRYLIC SEALER V027*, 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 *ULTRA SPEC® 500 INTERIOR EGGSHELL FINISH N538* application.

Apply with brush, roller or spraying gun. For airless method provide the following parameters: pressure 103,4÷172,37 bar and tip 0.013-0.017. Work using „wet in wet“ system, avoiding creating overlaps.

Technological breaks must be planned at the wall corners or other elements.

When painting job is conducted in high temperature, the relative air humidity below 45%, in direct sunlight or windy conditions add *518 EXTENDER* to *ULTRA SPEC*® 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. The next coat apply after min. 2-3 hours. 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. 2 hour. At mentioned weather conditions the next coat apply after min. 2-3 hours. The coat achieves the final parameters and resistance to washing with water after min. 14 days after application.

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

**Warning:** Use system: paint *ULTRA SPEC*® 500 INTERIOR EGGSHELL FINISH N538 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 1X, 2X, 3X i 4X not tinted in GENNEX® Platform system.

Only GENNEX® Waterborne Colorants can be added to *ULTRA SPEC*® paint.

The coat achieves the final parameters and resistance to washing with water and wet-scrubbing after min. 14 days after application. In case of some colors it's possible to observe the phenomenon of slight color wash-off from the paint layer which do not have any negative influence on the final technical parameters and the esthetic effect.

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.
- Instytut Inżynierii Materiałów Polimerowych i Barwników w Toruniu, Oddział Zamiejscowy Farb i Tworzyw w Gliwicach - Sprawozdanie z badań nr 194/2013 „Oznaczenie odporności powłoki na szorowanie na mokro wg PN-EN ISO 11998:2007” [Report from the investigation - „Resistance to washing and wet-scrubbing according to Standard PN-EN-ISO 11998:2007”].



This specification is effective from: 02.2022.

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