



Waterborne, acrylic chalkboard „Zero VOC**“ paint.

Exceptional wide intensive color range!

BENEFITS & GENERAL DESCRIPTION:

waterborne, latex acrylic "Zero VOC*" paint which transforms any interior wall or surface like the part of furniture into an easy-to-clean chalkboard. It can also be used for traditional school chalkboard renovation. Perfect for children rooms, offices, conferences rooms, kitchens, restaurants (menu), schools, kindergartens and many others spaces where chalkboard finish is desired.

Ben® CHALKBORAD PAINT 308 available in full intensive color palette develops the children imagination and dries to a decorative finish that is extremely durable and fully washable (with soap and water).

„Zero VOC**“ formula (regardless of color) reduces to minimum possibility of appearing allergy reactions.

Paint characterizes excellent hiding power, low odor, quick drying time, mechanical resistance and excellent technical as well as application parameters. Product meets the LEED® v4 Credit requirements.

In the combination of ben® CHALKBORAD PAINT 308 with magnetic wallpaper it's possible to create the double purpose surface magnetic and chalkboard called "MAGIC BOARD SYSTEM".



PROPERTIES:

- *develops the children imagination and provides fun*
- *helps with the business meetings and trainings, takes care about the shopping list, the plan of the day, etc.*
- *excellent resistance to repeated washing and wet-scrubbing*
- *„Zero VOC**“ and ecological formula*
- *high adhesion to the substrate*
- *exceptional hiding power, durability and easy application*
- *meets LEED® v4 Credit requirements*

Technical information – Pastel Base 1X

vehicle type:	acrylic dispersion
pigment type **:	titanium dioxide
volume solids**:	40 %
coverage:	approx. 10 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	97 µm
- dry	38,2 µm
dry time (at temp. +25°C and relative air humidity 50%):	
- to touch:	min. 2 hours
- to recoat (the next coat application):	min. 4 hours
- possibility of usage painted surface:	min. 14 days
- full cure and final technical parameters and durability:	min. 14 days
dries by:	evaporation and coalescence
viscosity **:	95 ± 2 KU
flash point:	none
gloss/sheen:	eggshell (5 - 10 @ 85°)
colors:	Bases 3X, 4X intended for tinting in the GENNEX® Platform system. Full range of intensive Benjamin Moore colors.
reaction to fire:	Class A (0-25) over non-combustible surfaces when tested in accordance with ASTM E-84.
painted 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 **:	1,25 kg
storage temperature:	min. +5°C, max. +32°C
VOC:	* ZERO VOC - 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): 30 g/l (2010). Max. VOC: 0.5 g/l.
Natural environment protection/ecology and certification:	● Product qualifies for: LEED® v4 Credit, CDPH v1 (Emission Certified) and CHPS (California's Collaborative for High Performance Schools).
packaging***:	0,95 l

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

RECOMMENDED FOR

Range of use: painted or primed before interior walls, traditional school chalkboards, primed wooden, wooden-like and metal surfaces, some plastics. It's also possible to apply the paint to prepared and primed with a special adhesion primer glass, ceramic tiles or glass-fiber (using special adhesion priming paint STIX®).

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 ben® CHALKBORAD PAINT 308 application.

Apply with brush, roller or spraying gun. Work using „wet in wet” system, avoiding creating overlaps.

Technological breaks must be planned at the wall corners or other elements. The next coat apply after min. 4 hours.

Allow painted area to cure for min. 14 days before using. Painted surfaces can be washed after two weeks.

Prior to initial use of achieved chalkboard, rub entire surface with a piece of white chalk and then erase using a clean, damp cloth. Because of the additives used in some varieties of chalk, which can leave a residue when erased, **we recommend using darker shades of ben[®] CHALKBORAD PAINT 308 and lighter colored chalk designed for use on chalkboards.** Carry out the test of chalk on the chalkboard before final use

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 hours. At mentioned weather conditions the next coat apply after min. 4 hours. The coat achieves the final parameters and resistance to washing with water after min. 14 days after application. Wait at least 14 days before using the painted chalkboard.

Clean up:

Wash painting tools in warm soapy water immediately after use.

Warning: Use system: paint ben[®] CHALKBOARD PAINT 308 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 3X i 4X not tinted in GENNEX[®] Platform system. Only GENNEX[®] Waterborne Colorants can be added to ben[®] paint. Allow painted area to cure for min. 14 days before using. Prior to initial use of achieved chalkboard, rub entire surface with a piece of white chalk and then erase using a clean, damp cloth.

The coat achieves the final parameters and resistance to washing with water and wet-scrubbing after min. 14 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 0,95 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.

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.

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