



STIX®
WATERBORNE
BONDING PRIMER SXA-110



Waterborne, acrylic urethane primer/sealer with unparalleled adhesion to the most challenging interior and exterior surfaces.



BENEFITS & GENERAL DESCRIPTION: highest quality, waterborne, **acrylic urethane primer/sealer with unparalleled adhesion to the most challenging surfaces**, including PVC, vinyl, plastic (not recommended for use over polyethylene or polypropylene and Kynar PVDF), glass, tile, glazed block, glossy paints, pre-coated siding, fiberglass, and galvanized metals.

STIX® is also ideal for use on plaster, drywall, wood, and non-ferrous metals, where a low ambient or surface temperature would present a problem for conventional primers.

Not recommended as a whole house exterior primer over wood or for wood decking.

Product offers an extremely hard film when cured. Use it on interior and exterior surfaces and topcoat with almost any type of coating including alkyd, acrylic latex, urethane, epoxy (also two-components), and lacquer finishes.

Product is a low VOC primer, which levels to a smooth surface.

Noted: primer is not intended for immersion service or continuous water contact.

Product meets the LEED® v4 Credit requirements.

PROPERTIES:

- *unparalleled adhesion to the most challenging surfaces, including very smooth and glossy substrates*
- *special adhesion layer between substrate and top-coat*
- *equalizes and reduces substrate's absorption*
- *reduces of topcoat consumption (saving time and money)*
- *provides an uniform color of primed surface*
- *levels the small imperfections of surface*
- *sets in the lower temperature – from +1,7°C*
- *low VOC content*
- *meets LEED® v4 Credit requirements*

Technical information	
vehicle type:	urethane modified acrylic
pigment type:	titanium dioxide
volume solids:	40,0 ± 2,0 %
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	101,6 – 134,6 µm
- dry	40,6 – 53,3 µm
dry time (at temp. + 25°C and relative air humidity 50%):	min. 30 minutes
- to touch:	min. 3-4 hours
- to recoat (the next coat application):	min. 24 hours (in case of non-absorbing, very smooth surfaces like metal, ceramic tiles or plastics allow STIX to cure for approx. 3-4 days. See the details in part "Application".
- top-coat application:	min. 7 days
- full cure and final technical parameters:	
dries by:	evaporation and coalescence
viscosity:	90 - 95 KU
flash point:	none
gloss/sheen:	flat
colors:	White. May be tinted with up to 2.0 fl. oz. (64 units) of Benjamin Moore colorants per gallon in Benjamin Moore GENNEX® system.
flash point:	93,33°C or greater (TT-P-141, Method 4293)
painted surface temperature:	min +1,7°C, max. +32°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/g): 30 g/l (2010). Max. VOC: <23 g/l.
COMPLIANCE & CERTIFICATIONS:	Product qualifies for: LEED® v4 Credit, CDPH v1 (Emission Certified) and CHPS (California's Collaborative for High Performance Schools
packaging*:	0,95 l; 3,78 l

*3,78 L = 1 gallon; 0,95 L = ¼ gallon

RECOMMENDED FOR

Range of use: ● *interior:* PVC plastics (other plastics except polyethylene PP, polypropylene PE and Kynar PVDF), glass, ceramic tiles, formica, fiberglass, galvanized metal, aluminum, masonry walls, mineral plasters, concrete, cement block, drywalls, wood including cedar and redwood and wooden-like substrate (like MDF)

- **exterior:** PVC plastics (other plastics except polyethylene PP, polypropylene PE and Kynar PVDF), glass ceramic tiles, formica, fiberglass, galvanized metal, aluminum, masonry walls, mineral plasters, concrete, cement block, wood (only small surfaces; for example do not paint whole siding wooden walls) including cedar and redwood.

Surface preparation:

- **not painted surfaces:**

PVC plastics (other plastics except polyethylene PP, polypropylene PE and Kynar PVDF), glass ceramic tiles, formica, fiberglass: remove dirt, dust, wax, grease and oil spots (use White Spirit). The surface must be dulled and dedusted.

Metal surfaces (only 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.

Wooden and wooden-like substrates (e.g. MDF): 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. Product is not recommended as a whole house exterior primer over wood (it's intended only for priming the small elements).

Walls and ceilings: 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. Prepared in such way substrate prime with *STIX® WATERBORNE BONDING PRIMER SXA-110*.

In case of gypsum surfaces or weak substrate in order to its reinforcement, before mentioned primer application use a primer *COROTECH® CLEAR ACRYLIC SEALER V027* or *ULTRA SPEC® MASONRY INTERIOR/EXTERIOR 100% ACRYLIC SEALER 608 00 CLEAR*. In both cases primer *STIX® WATERBORNE BONDING PRIMER SXA-110* apply after min. 12 hours.

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

In case of problematic substrates the test should be performed on small surface area. Positive result, decides on application of the primer on the whole surface.

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 during use. Apply with brush, roller or spraying gun. For airless method provide the following parameters: pressure 152÷172 bar (this limit value preferred) and tip 0.013-0.017. Work using „wet in wet” system (that is, continuously, not allowing the paint to dry out when painting with a roller), avoiding creating overlaps.

The next coat apply after min. 3-4 hours. Technological breaks must be planned at the wall corners or other elements. *STIX® WATERBORNE BONDING PRIMER SXA-110* is not intended for immersion service or continuous water contact.

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

Top coats from the Benjamin Moore & Co. offer apply after min. 24 hours* after *STIX® WATERBORNE BONDING PRIMER SXA-110* application.

* **Warning:** in case of non-absorbing, very smooth surfaces like metal, ceramic tiles or plastics allow STIX to cure for approx. 3-4 days. The best result is achieved when the top coat is applied after 7 days of STIX drying/curing.

Weather conditions during and after application:

Carry out the painting work at the air and substrate temperature > +1.7°C. The optimal conditions: + 20°C and relative air humidity 50%. Do not apply in direct sunlight or on a hot surface. In the exterior exposure avoid rain, moisture or high humidity for the first 48 hours of curing.

Drying time:

At the temperature of +25°C and relative air humidity 50% the product dries approx. 30 minutes. At mentioned weather conditions the next coat apply after min. 3-4 hours. Top coats from the Benjamin Moore & Co. offer apply after min. 24 hours after *STIX® WATERBORNE BONDING PRIMER SXA-110* application. In case of non-absorbing, very smooth surfaces like metal, ceramic tiles or plastics allow STIX to cure for approx. 3-4 days. The best result is achieved when the top coat is applied after 7 days of STIX drying/curing.

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

Warning: Use system: primer *STIX® WATERBORNE BONDING PRIMER SXA-110* and top coats from Benjamin Moore & Co. offer. Ensure enough amount of product from one production batch in order to avoid some color differences.

The full cure, final adhesion properties and technical parameters achieved after min. 7 days.

STIX has to be top coated – never leave it a finishing coat.

Do not overdose the colorants in Benjamin Moore® GENNEX® tinting system.

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 primer, 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 2,2,4-trimethyl-1,3-pentanediol diisobutyrate

Hazard statements

H361 – Suspected of damaging fertility or the unborn child.

H412 – Harmful to aquatic life with long lasting effects.

H317 - May cause an allergic skin reaction.

EUH208 - Contains (1,2-Benzisothiazolin-3-one). 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.

P321 - Protect against consumption. If swallowed, seek medical advice immediately - show the packaging or label.

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.

CERTIFICATES & APPROVALS: • The product is qualified with Hygienic Certificate.



This specification is effective from: 08.2024.

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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