

FACADESXi Xi-ACRYLIC BASE COAT

DESCRIPTION AND USAGE

Xi-Acrylic Base Coat is a 100% acrylic modified adhesive and base coat designed specifically for the FACADESXi Wall Systems. When mixed in a 1 to 1 ratio with cement, this product adheres insulation board to the substrate, embeds reinforcing mesh and skim coats surfaces with excellent workability.

PACKAGING / COVERAGE

60 lb (27.2 kg) Pail

FACADESXi EIFS

Adhesive and Base coat = 120-140 ft² (11.1-13 m²) per pail (adhering insulation to substrates and embedding Xi-Mesh).

Adhesive

½" x ½" x 1-½" (13 mm x 13 mm x 38 mm) = 230-250 ft² (21.3-10=23.2 m²)

⅝" x ⅝" x ⅝" (16mm x 16 mm x 16 mm) = 180 ft² (16.7 m²)

Base Coat

Embedding Xi-Mesh = 200-230 ft² (18.6-21.4 m²)

Embedding Bear Mat 20/Xi-Mesh: Ultra High Impact = 140-160 ft² (13.0-14.9 m²)

Skim Coat

230-260 ft² (21.3-24.1 m²)

Coverages are approximate and will vary depending on application methods and environmental/surface conditions.

FEATURES / BENEFITS

- Wet Polymer gives excellent adhesion
- Mildew Resistant
- Vapor Permeable
- Smooth consistency for easy application

FOR USE WITH ALL FACADESXi SYSTEMS

- FACADESXi EIF Systems Insulation Board Adhesive to approved substrates

Substrates allowed with or without Watershield Xi:

- ASTM C1177 type sheathings:
 - DensGlass® sheathing
 - GlasRoc® sheathing
 - Weather Defense® sheathing
 - eXP® sheathing
- ASTM C1325 Type A Exterior cement-board: PermaBase
- Poured concrete/unit masonry/brick

Substrates allowed when Coated with FACADESXi Watershield.

- Untreated Exposure I or exterior plywood sheathing (grade C-D or better)
 - Untreated Exposure I OSB
 - Gypsum sheathing (ASTM C79/ ASTM C1396)
- FACADESXi EIF Systems, FACADESXi Stucco, Direct Applied and Cement Board Systems: Base coat to embed FACADESXi Reinforcing Meshes.
- Xi-Acrylic Base Coat can also be used as a skim coat to produce a smooth level surface on interior or exterior clean masonry or concrete or unglazed brick.

SHELF LIFE

12 months - stored off the ground, unopened, protected from moisture, extreme heat 90°F (32°C), and direct sunlight.



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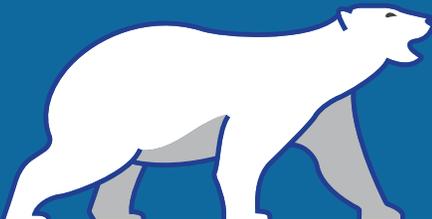
SURFACE PREPARATION / JOB CONDITION

Temperature must be 40°F at time of installation and for 24 hours after installation. Substrates must be above 40°F (4°C), unpainted and clear of dirt, dust, chalk, mildew, algae, foreign materials, etc.

Painted/loose/damaged substrates must have the paint removed by water/sand blasting and damage repaired so that 90% of the virgin substrate is exposed or mechanical fasteners/metal lath must be used (Contact FACADESXi Technical Dept).

Planar irregularities must be limited to ¼ in. (6 mm) in a 4 ft (1.22 m) radius surface. Irregularities are limited to ¼ in. (6 mm) or less for masonry and concrete and 1/8 in. (3 mm) or less for sheathing. Irregular and uneven masonry surfaces should be filled with Level Coat or Xi-Base Coat.

- Xi-Watershield must be covered within 45 days or must be cleaned and re-coated.
- Sheathings/Substrates must be installed in accordance with manufacturer's and building code requirements.
- Protect the wall assembly if needed during installation from water intrusion until the exterior wall is in place.



CONTACT FACADESXi TECHNICAL FOR SPECIFIC INSTRUCTIONS.

APPLICATION

Complete EIFS installation instructions can be found in the FACADESXi EIFS Design Handbook.

ADHESIVE APPLICATION

Apply the Xi-Base to the entire surface on one face of the insulation board, then using the specified notched trowel per system/substrate, run the adhesive in ribbons to a uniform thickness to run vertically when positioned on the wall (do not install adhesive directly to the substrate). Immediately install insulation boards in a horizontal position in a running bond pattern. Apply uniform pressure to promote maximum adhesive contact by using a long straight edge to tamp the boards against the substrate. Ensure not to slide or push in a manner that will affect the vertical ribbons of adhesive drainage channels if applicable.

Install foam boards from the bottom to the top of the wall and stagger edges at the inside and outside corners. All board edges must be tightly butted and adjoining boards should be flush with each other. There must be no base coat material between boards.

Allow the foam insulation boards to set undisturbed overnight. Cold and humid conditions may require greater than 24 hours before rasping.

Notched Trowels:

Sheathing: ½" x ½" x 1-½" (13 mm x 13 mm x 38 mm)

Masonry (non-Drainage): 5/8" x 5/8" x 5/8" (16 mm x 16 mm x 16 mm)

EMBEDDING REINFORCING MESH

Rasp the surface of the insulation board smooth, if applicable. Uniformly cover the entire foam board surface with the base coat to approximately 1/16"-1/8" thick. With the flat edge of a stainless-steel trowel, embed reinforcing mesh into the base coat, from the center to the edges, wrapping it around the edges and system terminations, extending as far onto the structural elements as possible. Use the mesh to gauge base coat thickness. The mesh-reinforced surface should be flat and smooth with no wrinkles. A damp, NOT WET, brush may be used on fresh or uncured base coat to maintain sharp edges of grooves or for smoothing trowel marks. The thickness must be such that the mesh color is not visible at a minimum of 1/16". When multiple layers of reinforcing mesh are used, as in high impact applications, allow each layer to cure overnight.

SKIM COAT

Uniformly cover the entire surface with the base coat, approximately 1/16"-1/8" thick. CMU/brick walls may require multiple passes to cover grout joints.

Protect the base coat from rain, freezing, until cured at least 24 hours, longer in cold or humid climates before application of primer/finish coat.



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MIXING

- Mix one 60 lb Xi-Acrylic Base Coat pail with up to 1 gallon of cool, clean water. Warm water will accelerate the set. Use a heavy-duty ½ inch rust-free paddle drill at 400-500 rpm to mix thoroughly.
- Split the product evenly into two buckets and add 30 lbs of Type I Cement to each pail and mix again.
- Allow to sit and slake for 5-10 minutes and then remix it. Small amounts of water may be added.
- Be sure to use the mixture immediately after remixing.
- Working time is approximately 1 hour depending upon temperature - do not mix more than can be used during this time.
 - Keep the container closed when not in use.
 - Product may be mixed in half batches as needed for convenience.
 - Only FACADESXi approved additives should be added to this product.

CLEAN UP

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

TESTING

TESTING	TEST METHOD	TEST CRITERIA	TEST RESULTS
Absorption Resistance	ASTM D968	No cracking or loss of film integrity at 528 quarts (500 L) of sand	Pass
Absorption/ freeze / Thaw Resistance	ASTM E2485	No deleterious effects* at 60 cycles when viewed under 5x magnification	Pass
Accelerated Weathering	ASTM G153	No deleterious effects* at 2000 hours when viewed under 5x magnification	Pass: 5000 hrs
Mildew Resistance	ASTM D3273	No growth supported during 28 day exposure period	Pass
Permeance	ASTM E96	Report	23 Perms
Salt Spray resistance	ASTM B117	No deleterious effects after 300 hours exposure	Pass
Tensile Adhesion	EIMA 101.03 ASTM E2134	Minimum 15 psi (103kPa) tensile strength	Pass
Water Penetration	ASTM E331 (modified per ICC-ES AC 235)	No water penetration beyond the plane of the base coat/EPS board interface after 15 minutes at 6.24 psf (299 Pa) or 20% of design wind pressure, whichever is greater	Pass
Water Resistance	ASTM D2247	No deleterious effects* at 14 day exposure	Pass
Surface Burning (individual components)	ASTM E84	Individual components shall each have a flame spread of 25 or less, and smoke developed of 450 or less	Flame Spread: 0 to 15 Smoke Developed: 0 to 15

CAUTIONS / LIMITATIONS

- Use only on surfaces that are sound, dry, clean, unpainted, and free from any residue that may affect the ability of the Xi-Acrylic Base Coat to bond.
- Cold or humid weather will extend drying time.
- Application in direct sunlight will reduce open time significantly.
- Use clean materials and tools to prevent contamination of the material.
- Not for use below grade, or in immersion.
- Not for direct use over wood substrates.
- Do not over water the mix.
- Do not use as a leveler for EPS. Rasp the EPS level.
- Wear protective eye-wear and clothing since the product contains cement, which can cause irritation.



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SAFETY

**KEEP OUT OF REACH OF CHILDREN.
FOR PROFESSIONAL USE ONLY.
DO NOT ALLOW PRODUCT TO FREEZE.
VOC < 10 grams per liter.**

The instructions for use and application and warnings have been prepared in good faith based on the information available at the time of publication.

All instructions are intended to provide product users with the proper guidelines for use and application under normal working and environmental conditions. Because each project and user is different, FACADESXi cannot be held responsible for any consequences of variations in conditions or for unforeseen conditions when using this product.

For the most up to date information go to
www.facadesxi.com

WARNINGS

Use of this product can expose you to Crystalline Silica, a chemical that has been known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information: <https://P65Warnings.ca.gov>

INHALATION

This product is considered an irritant if proper precautions aren't followed. Use a NIOSH approved respirator mask and adequate ventilation when using the product. Avoid overexposure. Open windows and doors to confined areas during the application and drying process. Ensure fresh airflow is available. Leave the area of application immediately if you experience watery eyes, dizziness, or a headache.

SKIN CONTACT

Do not get product in your eyes or on your skin. Wash hands thoroughly after use.

EYE CONTACT

Rinse eyes thoroughly with water for several minutes. Remove contact lenses then continue to rinse.

DO NOT TAKE INTERNALLY

Immediately contact the Poison Control Center if swallowed. Store product in its original container sealed tightly after use.

EXPOSURE TO LEAD

Scraping sand or old paint chips may result in toxic lead exposure. Contact the National Lead Information Hotline at 1-800-424-LEAD or head over to <https://epa.gov/lead> for more information.

PLEASE NOTE

The most current Safety Data Sheet and Product Data Sheet can be found on our website for more information on product handling.

