



ALLURA BACKER

You can't buy
a better backer.

A person is shown from the waist down, wearing blue jeans and a light-colored shirt, using a hammer to install a piece of Allura Backer board. The board is being laid on a tiled floor. The board has a corrugated surface and is being secured to a wooden subfloor. The background shows white kitchen cabinets and a countertop with a blender.

Backerboard 3x5 1/4 inch
AlluraTM
Making the Material Difference

A photograph of a bathroom featuring green mosaic tiles on the walls and a white bathtub. A wooden window frame is visible above the tub. A blue banner with white text is overlaid on the left side of the image.

ALLURA BACKER

Both Allura™ Backer and Allura™ Backer ½" feature an exceptionally durable and dense, non-porous surface, making them ideal for safeguarding kitchens and bathrooms from moisture and water damage. It's the fiber cement building material trusted by pros who insist on not just meeting code, but meeting their own high standards of craftsmanship.

VERSATILE

- Preferred by pros; meets local building codes that require the use of backerboard or underlayment under tile in wet areas
- Suitable for interior floors, walls and countertops
- Adapts with tile, natural stone
- Easy to use: lightweight and easy to install.



LONG-LASTING

- Offers the most advanced engineering benefit to a structure
- Flexible and strong enough to adhere to all sizes and types of tile
- Guaranteed by a 20-year limited warranty

DURABLE

- Safeguards floors and other wet areas from water destruction
- Moisture-resistant: will not swell, decay, delaminate or deteriorate
- Class (1)A flame spread rating; non-combustible
- Defends against mold, rot and decay



Below the surface.

Upgrade kitchens, bathrooms and steam rooms with Allura Backer to prevent possible water damage to your structure. Allura fiber cement is suitable for counters, flooring, interior walls and around fireplaces.

Most local building codes require the use of backerboard or underlayment in wet areas. To meet this code, experienced pros insist on Allura Backer for its proven performance and superior workability. Installation requires no special tools for cutting, and it fastens easily with screws or nails. Allura Backer creates the perfect surface to adhere tile, natural stone, faux stone, brick veneer, paint, wallpaper and other resilient topside materials.

SPECIFICATIONS

	Allura Backer ¼"	Allura Backer ½"
Weight	3' x 5' 28 lbs/pc 4' x 4' 30 lbs/pc 4' x 8' 60 lbs/pc	3' x 5' 49 lbs/pc
Pieces/Unit	3' x 5' 85 pcs/unit 4' x 4' 85 pcs/unit 4' x 8' 50 pcs/unit	3' x 5' 50 pcs/unit

FLAME SPREAD/SMOKE DEVELOPMENT

ASTM E84 Test Results

Flame Spread: 0

Smoke Development: 5

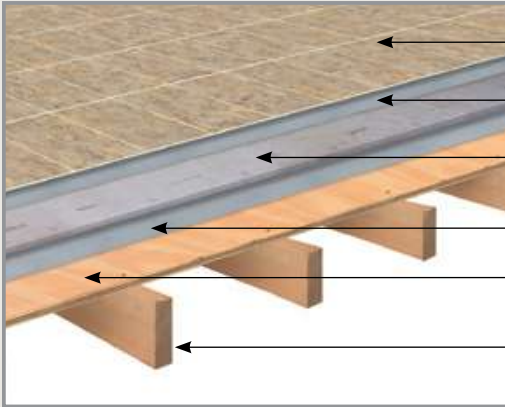
SHEAR BOND STRENGTH

Latex-Portland Cement

Greater than 280 psi

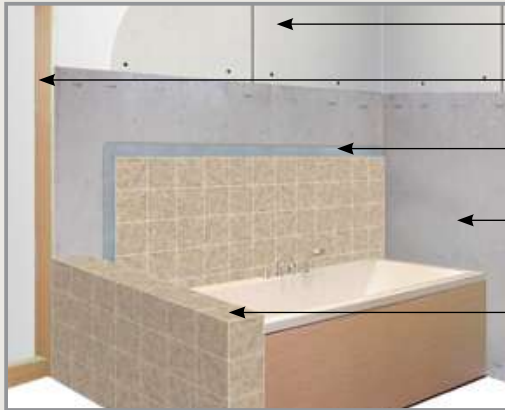
Applications

FLOORING



- ← Tile
- ← Thin-set
- ← Allura Backer
- ← Thin-set
- ← Base minimum 3/4" plywood
- ← Floor joists 16" o.c.

TILING



- ← Dry Wall
- ← Framing 16" o.c.
- ← Thin-set
- ← Allura Backer
- ← Tile

For warranties and additional tips about installing Allura™ products, visit our website at www.AlluraUSA.Com.

Installation Instructions

Allura Backer is manufactured in a multistep high-pressure process combining cement, silica and wood fiber, and with ASTM C 1288 and ASTM C 1185. The product contains no gypsum, no abrasive aggregate, no MgO.

Applications

Allura Backer is to be used for interior applications only.

Cutting Allura Backer

SCORE AND SNAP

- Score the face of Allura Backer with a carbide tipped scoring tool and snap upward against a straight edge.
- For small holes, score the perimeter of the opening desired and knock out with a hammer.

SHEARS

- Only use electric or pneumatic shears made for fiber cement products.

CIRCULAR SAW

- Only cut outdoors or in a well-ventilated area.
- **NEVER** use high-speed power tools (e.g. Saws, grinders, etc.) to cut indoors as they may generate excessive silica dust.
- **NEVER** dry sweep – Use wet dust suppression methods or HEPA vacuum for clean-up.
- To further limit respirable silica dust exposures, wear a properly fitted, NIOSH approved dust mask or respirator (e.g. N-95 dust mask) in accordance with applicable government regulations and manufacturer instructions.

AVOID BREATHING SILICA DUST

Allura® products contain respirable crystalline silica. Crystalline silica has been known to be a potential health danger for many years. This danger, however, can be mitigated with simple and effective precautions. The breathing in of small silica dust particles has been shown to cause lung cancer, silicosis, chronic obstructive pulmonary disease (COPD), and kidney disease. Silica dust is generated in Allura products when they are ground up or cut. When used under normal conditions, Allura products are not considered a cancer or other health risk, although breathing excess amounts of respirable silica dust can be a cause of cancer or other diseases. Cigarette or cigar smoking can increase these risks. OSHA has published a guidance document (OSHA 3362-05 2009) pertaining to Controlling Silica Exposures During Construction (the “Guidance Document”). Additionally, OSHA has adopted a regulation pertaining to airborne silica (the “Silica Rule”). The Silica Rule dealing with respirable crystalline silica is found at 29 CFR §1926.1153.

Mortars and Tape

FOR COUNTERTOPS, WALLS AND CEILINGS:

- Latex or acrylic modified thinset (complying with ANSI A118.4)
- Type 1 mastic (complying with ANSI A136.1)

FOR FLOORS:

- Latex or acrylic modified thinset (complying with ANSI A118.4).
- Dry-set mortar for use between subfloor and cement board only (complying with ANSI A118.1).

Follow all mortar and tile manufacturer’s written installation instructions, ANSI 108.4 and 108.5 standards. Acrylic modified thinset is recommended for setting of ceramic tiles. A minimum of 24-hours curing time shall be allowed before grouting and/or putting any weight on the installed tiles.

Floor Installations

For all subfloors, use a minimum $\frac{5}{8}$ " exterior grade plywood or $\frac{23}{32}$ " OSB with Exposure 1 classification or better that complies with all local building codes and ANSI 108.11. The floor must be engineered not to exceed the L/360 deflection criteria, (L/720 for natural stone) including live and dead design loads, for the specific joist spacing used. Supporting joists must be spaced a maximum of 24" o.c. Ensure the subfloor is structurally sound and in good condition. Replace any damaged or uneven sections to ensure the subfloor is flat before installing Allura Backer.

Layout and Attachment

Score and Snap Allura Backer to size

- Allow for $\frac{1}{8}$ " gap between board edges, walls and cabinets.
- Ensure all edges are staggered and offset from subfloor joints.
- All joints must also be staggered to avoid having four corners meet at any point.

Apply dry-set or modified thinset to plywood

- Spread the mortar with the manufacturer-recommended notched trowel fitting the application (minimum $\frac{1}{4}$ " notch).
- Embed Allura BACKER evenly into the thinset.

Fasten Allura Backer 8" o.c. over the entire surface using (minimum) 1- $\frac{1}{4}$ " long corrosion-resistant roofing nails or 1- $\frac{1}{4}$ " long No. 8 x 0.375" HD self-drilling corrosion-resistant ribbed waferhead screws.

- Keep fasteners a minimum of $\frac{3}{8}$ " from edges and 2" from corners.
- Seat fastener heads flush with the surface. Do not overdrive fasteners.

Finishing

Wipe/mop surface with a wet cloth to remove any dirt and dust accumulated on the board.

- Fill Allura Backer joints with the setting tile mortar.
- Embed 2" wide alkali-resistant fiberglass tape and level.

Countertop Installations

For all countertops, cabinets should be set and level with a minimum ½" exterior grade plywood attached and supported across the top of the wood cabinet. Supports must be spaced a maximum of 16" o.c.

Layout and Attachment

Score and snap Allura Backer to size

- Allow for ⅛" gap between board edges.
- Ensure edges are offset from plywood joints.

Apply dry-set or modified thinset to plywood

- Allow for ⅛" gap between board edges.
- Ensure edges are offset from plywood joints.

Fasten Allura Backer 8" o.c. over the entire surface using (minimum) ¾" long corrosion-resistant roofing nails or ¾" long ribbed counter sinking corrosion-resistant screws. 18 ga. corrosion-resistant polymer coated ¾" staples with ¼" crown may also be used.

- Keep fasteners a minimum of ⅜" from edges and 2" from corners.

Finishing

Wipe surface clean with a wet cloth to remove any dirt and dust accumulated on the board.

- Fill Allura Backer joints with the setting tile mortar.
- Embed 2" wide alkali-resistant fiberglass tape and level.



Wall Installations

For all walls, use minimum 2" x 4" wood or 20 ga. Metal studs spaced a maximum of 16" O.C., Ensure the framing is straight, evenly aligned and properly spaced. Framing must comply with all local building codes and ANSI A108.11. All corner framing in tub and shower enclosures must be braced.

In wet areas, a moisture barrier must be used where required by building code. If required, install a code compliant moisture barrier following the manufacturer installation instructions.

Layout and Attachment

Score and Snap Allura Backer to size

- Allow for ¼" gap at floors, tub or shower pan and caulk.
- Ensure all edges parallel to framing are supported by a structural framing member.
- When abutting to ½" drywall, use Allura Backer ½" or shim the backerboard with ¼" furring strips secured to each stud.
- Expansion joints shall be used at all inside and outside corners, as well as every 12' of wall.

Fasten Allura Backer 8" o.c. over the entire surface using (minimum) 1-¼" long corrosion-resistant roofing nails or 1-¼" long No. 8 x 0.375" HD self-drilling corrosion-resistant ribbed waferhead screws - Minimum 1-½" long fasteners for Allura Backer ½"

- Keep fasteners a minimum of ⅜" from edges and 2" from corners.
- Seat fastener heads flush with the surface. Do not overdrive fasteners.

Finishing

Wipe surface with a wet cloth to remove any dirt and dust accumulated on the board.

- Fill Allura Backer joints with the setting tile mortar.
- Embed 2" wide alkali-resistant fiberglass tape and level.



Ceiling Installations

For all ceilings, use minimum 2" x 4" wood or 20 ga. Metal joists spaced a maximum of 16" O.C., Ensure the framing is straight, evenly aligned and properly spaced. Framing must comply with all local building codes and ANSI A108.11.

In wet areas, a moisture barrier must be used where required by building code. If required, install a code compliant moisture barrier following the manufacturer installation instructions.

Layout and Attachment

Score and Snap Allura Backer to size

- Install boards with the long edges perpendicular to the joists and the short edges centered on the joists.
- Allow for $\frac{1}{8}$ " gap between board edges.
- Ensure all edges are staggered and offset to avoid having four corners meet at any point.

Fasten Allura Backer 6" o.c. over the entire surface using (minimum) 1- $\frac{1}{2}$ " long corrosion-resistant roofing nails or 1- $\frac{5}{8}$ " long No. 8-18 x 0.375" HD self-drilling corrosion-resistant ribbed waferhead screws for wood framing, or 1- $\frac{1}{4}$ " long No. 8-18 x 0.375" HD self-drilling corrosion-resistant ribbed waferhead screws for metal framing.

- Fasteners must provide a minimum $\frac{3}{4}$ " thread engagement for wood framing or 3 full threads for metal framing.
- Keep fasteners a minimum of $\frac{3}{8}$ " from edges and 2" from corners.
- Seat fastener heads flush with the surface. Do not overdrive fasteners.

Finishing

Wipe surface with a wet cloth to remove any dirt and dust accumulated on the board.

- Fill Allura Backer joints with the setting tile mortar.
- Embed 2" wide alkali-resistant fiberglass tape and level.



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