



LOUISVILLE TILE

Surface Solutions Since 1955


**Waterproof shower
building materials for
contractors**

Louisville Tile
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Product Information

Tile Backers

	Item Name	Description	Key features	Dimensions	Unit	Item #
	Louisville Tile Backer 36"x60"x1/2"	Tile backer board - 100% waterproof and mold proof. For builders and contractors - residential or commercial use	Can be cut and customized to fit any size project Strong and sturdy, but lightweight Mesh layer provides excellent bonding surface for tile.	36 in. x 60 in. x 1/2 in.	75 sheets/pallet	LTDBOARD3X5-12




☐ Made in USA.

Shower Niches

	Item Name	Description	Key features	Dimensions	Unit	Item #
	Louisville Tile Shower Niche 12"x12"	Made from Louisville Tile Backers	Customizable on site, as needed. XPS foam is 100% waterproof and mold proof. Made from Louisville Tile Backers	12 in. x 12 in. x 3 1/2 in. (interior) 16 in. x 16 in. x 4 in. (exterior)	1 pc	LTDNICHE-12
	Louisville Tile Shower Niche 12"x18"	Made from Louisville Tile Backers	Customizable on site, as needed. XPS foam is 100% waterproof and mold proof. Made from Louisville Tile Backers	12 in. x 18 in. x 3 1/2 in. (interior) 16 in. x 22 in. x 4 in. (exterior)	1 pc	LTDNICHE-12X18

☐ Made in USA.

Accessories for Install

	Item Name	Description	Key features	Dimensions	Unit	Item #
	Louisville Tile Joint Sealant	Single component Silyl Modified Polymer (SMP) sealant	Durable, high-strength bond that maintains long-lasting flexibility even in wet or alkaline conditions. Designed to seal and join Louisville Tile Backer Boards and Prefabricated Modules within a complete Louisville Tile Shower System.	10.5 oz	12/box	LTDSEALANT10
	Louisville Tile Joint Sealant Sausage	Single component Silyl Modified Polymer (SMP) sealant	Durable, high-strength bond that maintains long-lasting flexibility even in wet or alkaline conditions. Designed to seal and join Louisville Tile Backer Boards and Prefabricated Modules within a complete Louisville Tile Shower System.	20 oz	20/box	LTDSEALANT20
	Louisville Tile Fastener Kit	Screws and washers to complete assemblies	Compatible with standard wood framing as well as 20-gauge or lighter metal studs. Washers – Heavy-duty gauge helps absorb and evenly distribute the weight of tile. Screws – Engineered with the right gauge, length, and thread design to prevent breakage under load or during structural movement.	*count determined by weight, actual count may vary	100 ct. coarse thread non-rust screws and tab washers	LTDFASTENERKIT

☐ Joint Sealant - Made in USA. Fastener Kit - Packaged in USA, washers made in USA, screws made in Taiwan and Vietnam

Louisville Tile Backer Performance and Technical Data

Properties	Product Standards/Test Methods	Performance
American National Standard Specifications for Test Methods and Specifications for Foam Core Backer Boards	ANSI A 118.18	Compliant
Shear Bond Strength	ANSI A 118.18 Section 5 Minimum performance requirement 50 psi	7 day Shear Strength Dry: > 130 psi 7 day Shear Strength Wet: > 120 psi
Waterproof	ANSI A 118.18 / ANSI A118.10-1999	Passed
Waterproofness of Assembly	ANSI A 118.18 / IAPMO PSI06	Passed
Fastener Pull Through	ANSI A 118.18	Passed, > 140 lb
Temperature Limits		-58 / +165° F
Capillarity		Zero
Linear Expansion with Change in Moisture Content	ANSI A 118.18 / ASTM 1037-39	Passed
Surface Burning Characteristics	ANSI A 118.18 using ASTM E84 with 12x12 inch x 3/8 inch porcelain tile installed on exposed surface as used in construction	Flame Spread Index (FSI): 0 Smoke Developed Index (SDI) : 35 Classification: Class A
	ANSI A 118.18	Passed, Zero growth.
Flexural Strength	ANSI A 118.18 / ASTM C203	> 900 psi

Weight for Louisville Tile Tile Backers	Width	Length	Thickness	Weight
	36 in.	60 in.	1/2 in.	8 lb.

Approvals & Certificates	
Approvals and certificates applicable to entire product system or components as required	ICC PMG certified

Environmental and Health Considerations Louisville Tile foam core products
Contains no unbonded fire retardants like HBCD (Hexabromocyclododecane) which has been banned in Canada and is a toxic substance of high concern with the US EPA.
Contains no Formaldehyde and no dangerous fire retardants such as HBCD.

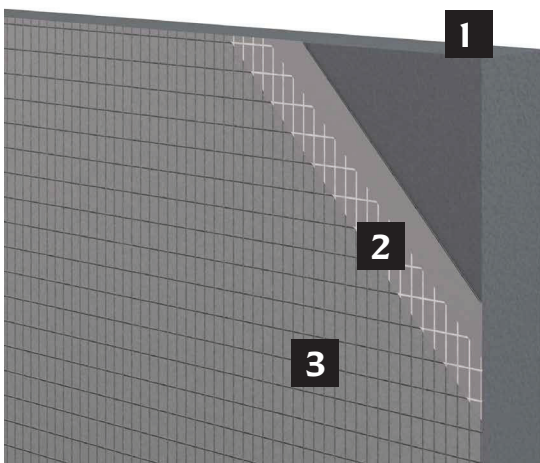
Tile Backer Board Systems - what can they do for your business?

Installers who specialize in tiled shower and tub designs are always looking for ways to meet key goals by choosing installation products and methods that align best with their business needs. They choose products that offer:

- Durable, callback-free construction.
- Budget-friendly building costs.
- Faster builds that save time on the job.
- Straightforward, easy-to-train construction process with built-in quality control.
- Environmentally responsible materials.
- Contractor-friendly product availability.

Louisville Tile delivers on every front!

Crafted by a trusted leader in shower systems with manufacturing in the USA and Germany, the Louisville Tile system is built for pros like you—contractors and builders working in both residential and commercial construction. It's a smart, no-fuss solution that delivers exceptional quality every time.



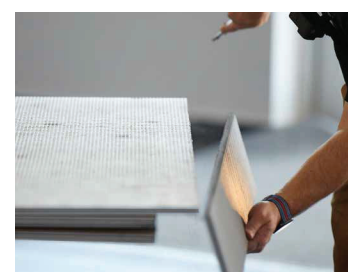
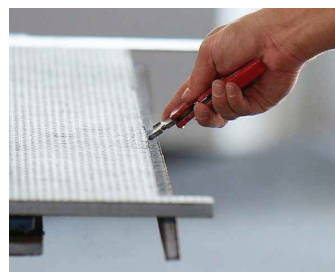
The Louisville Tile Backer Boards feature an internally waterproof, **closed-cell extruded polystyrene foam core, which acts like a 1/2 inch thick waterproof layer.** This all-in-one product and installation system is **tile-ready right away!** Unlike traditional waterproofing membranes, which are thin, prone to damage, and require separate application with long curing times before tiling can begin, Louisville Tile Backer Boards dramatically reduce installation time.

- 1** – Closed cell polystyrene foam core
- 2** – Fiberglass mesh reinforcement
- 3** – Polymer modified cement coating

The core of the Louisville Tile Backer is fortified with fiberglass mesh embedded in a modified cement coating, providing **exceptional bending strength, rigidity, and a superior bond with common tile adhesives.** In addition, these boards are **mold-resistant, provide insulation, and are lightweight and easy to cut or customize with a simple utility knife.**

Custom size? No problem!

With Louisville Tile, any design size is possible. Customizing on-site is easy—simply use basic tools you probably already have for your project. The tile backers can be cut indoors with minimal cleanup, producing little dust or waste. Just score the board with a utility knife, snap it cleanly, and finish by cutting through the mesh on the underside.



Cement Boards vs. Louisville Tile: How Do They Stack Up?

Louisville Tile Backers

- ③ Install with Louisville Tile Fasteners and Joint Sealant for a seamless process
- ③ Ready for tiling straight off the pallet!
- ③ Constructed to be lightweight, internally waterproof, and easy to cut and clean.
- ③ VOC-free, resistant to mold and mildew, and produces little dust when cut with a knife.
- ③ Leaves minimal build-up, ensuring that seams and transitions are reinforced and properly waterproofed.
- ③ A typical tub surround takes only 30-60 minutes to install and is immediately ready for tile!



Only half the fasteners needed compared to typical shower installs with Louisville Tile!

Eliminating mesh tape and banding streamlines installation, resulting in quicker, cleaner work and consistently flat, even surfaces ready for tile.

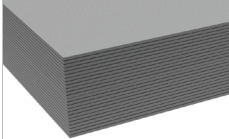
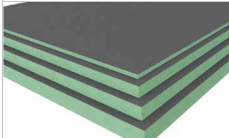
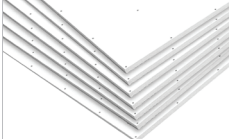
(Fiber) Cement Board

- ③ Often require a time-consuming two-step process for waterproofing and seam reinforcement.
- ③ Can be bulky, tough to maneuver, and challenging to cut to size.
- ③ Can harbor mold and mildew by providing cavities for organic material, and contain harmful silica dust.
- ③ Every seam demands a messy, labor-intensive application of mesh tape and mixed thinset.
- ③ Before tiling can even begin, you're looking at up to 12 hours of drying time just to ensure proper waterproofing."



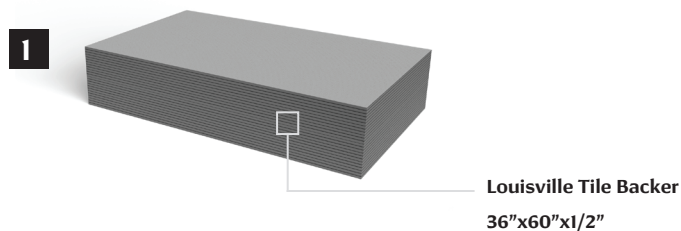
Step 1: Cement board installation. **Step 2:** Liquid waterproofing - can be time consuming, messy and difficult to achieve a uniform waterproofing covering the full surface without leaving pinholes.

Budget-friendly foam core tile backer boards — how does Louisville Tile measure up?

Product	Cost* *average cost for contractors	Time to install	Country of origin	Can cause itches due to fibers in coating	Can release odors, contains formaldehyde	All standards compliance tested in North America	Compliance tested to ANSI I18.18 Standard Specification for Foam Core Backer Boards	Shear bond strength to tile adhesive/thinset mortars	Flexural Strength
 Louisville Tile Backer	Approx. \$25-27	6 backers in shower assembly - approx. 90 mins	USA	No	No	Yes	Yes	ANSI I18.18 Section 5 Minimum performance requirement 50 psi > 120 psi	ANSI A118.18 / ASTM C203 973 psi
 China Imports	Approx. \$25-27	6 backers in shower assembly - approx. 90 mins (requires additional time to add mesh tape over seams)	China	No	No	No	Unknown	> 50 psi (tested and underwritten in China)	Unknown
 Polyiso Boards	Approx. \$25-27	6 backers in shower assembly - approx. 90 mins	Canada, USA	Yes	Yes	Yes	Unknown	> 50 psi	When wet, loses 1/2 of its flexural strength

Using Louisville Tile for Tub Surround Tile Backer Installation

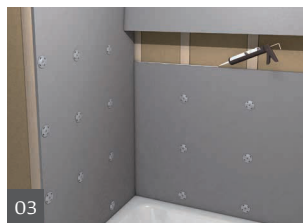
Follow these step-by-step instructions to install Louisville Tile Backers as a waterproof barrier around your tub. For optimal results, use Louisville Tile Shower Installation Accessories throughout the process.



Step-by-Step Installation Instructions



- 1. Measure and cut Wilxoc Fifty Five Tile Backers to fit the 16 inch o.c. framework (wood or metal). Notch out all panels if installed around the perimeter of a flange tub to integrate the flange and achieve a plumb wall with square and tight corners.**
- 2. Attach a notched panel to the frame-work with a 1/2" bead of Louisville Tile Joint Sealant between the notch and flange. Attach the panel to the framework using Louisville Tile Washers and Screws at a rate of 1 every 12 inches along the studs. Leave a gap of 1/8" between tub edge and panel bottom end to allow for movement of the tub. Alternatively apply a bead of Louisville Tile Joint Sealant in between both materials.**



- 3. Apply a continuous 1/2" bead of Louisville Tile Joint Sealant on the top grey foam edge of the Louisville Tile Backer before installing the next panel, butting tightly into the sealant. Set another Louisville Tile Washer and Screw into the seam to create a flush transition between panels and smooth over excess sealant. When installing a side panel against the already fixed back wall, apply a continuous 1/2" bead of Louisville Tile Joint Sealant vertically on the back wall tile backer where both panels will meet. Apply compression to the joint sealant when moving the side panel into position before fastening it.**
- 4. Finally and after all Louisville Tile Backers are installed, a second 1/2" bead of Louisville Tile Joint Sealant is applied on all seams and fastener points and spread flat using a putty knife.**

☐ **Did you know?** You can also use Louisville Tile Backers in mud bed shower floor assemblies (integrated into the wet mud base) or as a general purpose waterproof tile backer board in other shower assembly types - please verify with each manufacturer of products used in hybrid system assemblies whether the combined products work



Louisville Tile Backers are proudly made in the USA by a top-tier shower system manufacturer with over 40 years of industry-leading innovation and quality. With manufacturing facilities in both the USA and Germany, their reputation for excellence is built on decades of expertise.



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Louisville Tile quality and
performance certified by:



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