



## Durable, Ultra-lightweight, Waterproof Tile Backer Board



GoBoard® is the ultra-light, waterproof tile backer board from Johns Manville. It's engineered for durability, yet is up to 80% lighter than cement boards. GoBoard is easy to handle and can be cut right where it's installed with a basic utility knife without crumbling or disintegrating. And, best of all, it has waterproofing already built-in.



### Fast installation\*

Complete shower tile projects in half the time or less



### Ultra-lightweight

Up to 80% lighter than cement boards, yet engineered for durability



### Easy to cut, handle & install

Simply attach with GoBoard® Fasteners or GoBoard® Washers



### Waterproof built-in\*\*

Seal only the board joints and fastener locations for a waterproof tile assembly per GoBoard installation instructions

### GoBoard is available in six thicknesses:

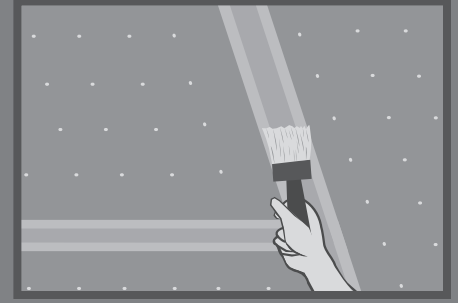
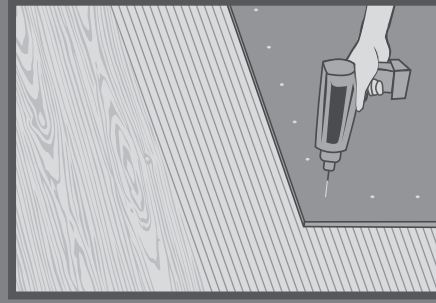
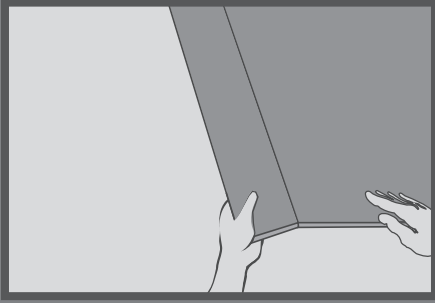
- ¼" for floors and countertops
- ½" and ⅝" for walls, showers, ceilings and floors
- 1", 1½" and 2" for walls, benches, shelves, tub surrounds, vanities and countertops

\*A typical shower project, waterproof installation, following manufacturer's installation instructions.

\*\*Only board joints and fastener locations require a waterproof sealant per GoBoard installation instructions.



# GoBoard® ¼" for Floors & Countertops – Installation Instructions



## WOOD FLOORS

### Framing, Control Joints and Subfloor Requirements:

#### Framing:

- All framing should comply with local building code requirements.
- Support framing must be designed for a maximum allowable assembly deflection of L/360 (L/720 for stone) under all intended live loads.

#### Control Joints:

- Consult TCNA Handbook installation Method EJ171.
- Location, width and details of control joints should follow sound architectural practices.
- Architect, builder or design professional must specify location of all control joints.

#### Subfloor:

- Joist spacing should not exceed 24" on-center.
- Exterior grade 5/8" plywood or ¾" OSB should be securely glued and fastened to joists.

#### Installation:

- Measure GoBoard, then score and snap. To score, cut through outer facing with a utility knife along your measured line. To snap, firmly grab the board edge and quickly apply downward pressure at the scored line. An alternative method would be to stand the board on edge and place your knee against the back of the board directly behind the scored line bending the board backward against your knee.
- Stagger all board joints, ensuring that they do not line up with subfloor joints, and leave a 1/8" space between all corners and edges.
- Apply mortar, as specified in the Approved Materials section, to the subfloor, combing it into a ribbed setting bed with a ¼" square notched trowel.
- Laminate pre-cut GoBoard to subfloor by firmly pressing it into the mortar, ensuring that it is fully embedded.
- Fasten GoBoard to the subfloor with GoBoard® Fasteners flush to the surface of the board at a maximum spacing of 8" and within ½" - 1" of the perimeter edges. For alternative fasteners specified in the Approved Materials section, the maximum spacing is 6".
- As an alternative to traditional fasteners, fasten GoBoard to the subfloor with GoBoard® Washers at a maximum spacing of 12" following the detailed instructions at [www.jm.com/goboard](http://www.jm.com/goboard).
- Fill all joint gaps with mortar, as specified in the Approved Materials section. Place 2" alkali resistant fiber glass mesh tape on the joint and embed with mortar, ensuring it is fully covered.

- If a waterproof installation is required, seal all joints and fastener locations with two coats of liquid waterproofing membrane, as specified in the Approved Materials section, making sure to extend liquid water proofing membrane at least 1" beyond mortar.

## CONCRETE FLOORS

#### Installation:

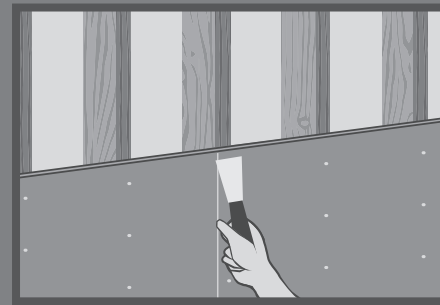
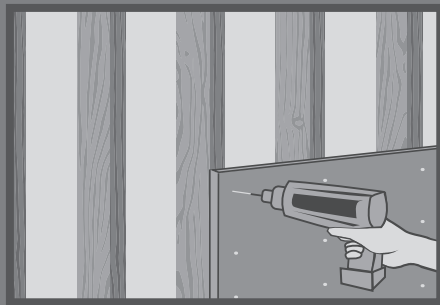
- Ensure that concrete floor is clean and fully cured and pre-fill surface imperfections with mortar, as specified in the Approved Materials section.
- Follow wood floor installation instructions. However, skip the fastening step and ensure that GoBoard is fully embedded in the mortar.

## COUNTERTOPS

#### Installation:

- Securely fasten ¾" exterior grade plywood to the cabinet, ensuring that maximum surface variation is no more than 1/8" in 10' from the required plane.
- Measure GoBoard, then score and snap. To score, cut through outer facing with a utility knife along your measured line. To snap, firmly grab the board edge and quickly apply downward pressure at the scored line. An alternative method would be to stand the board on edge and place your knee against the back of the board directly behind the scored line bending the board backward against your knee.
- Apply mortar, as specified in the Approved Materials section, to the plywood base, combing it into a ribbed setting bed with a ¼" square notched trowel. Fully embed GoBoard by firmly pressing it into the mortar.
- Fasten GoBoard to the ¾" plywood with GoBoard Fasteners flush to the surface of the board at a maximum spacing of 8" and within ½" - 1" of the perimeter edges. For alternative fasteners specified in the Approved Materials section, the maximum spacing is 6".
- As an alternative to traditional fasteners, fasten GoBoard to the ¾" plywood with GoBoard Washers at a maximum spacing of 12" following the detailed instructions at [www.jm.com/goboard](http://www.jm.com/goboard).
- Fill all joint gaps with mortar, as specified in the Approved Materials section. Place 2" alkali resistant fiber glass mesh tape on the joint and embed with mortar, ensuring it is fully covered.
- Seal all joints and fastener locations with two coats of liquid waterproofing membrane, as specified in the Approved Materials section, making sure to extend liquid water proofing membrane at least 1" beyond mortar.

# GoBoard® ½" and ⅝" for Walls, Showers, Ceilings & Floors – Installation Instructions



## WALLS

### Framing Requirements:

- All framing should comply with local building code requirements.
- Framing members shall be spaced a maximum of 16" on-center and shall be a minimum of 2"x 4" nominal (wood) or No. 20 gauge (metal).
- Studs shall be furred out flush with receptors and GoBoard edges should be continuously supported.

### Installation:

- Measure the first GoBoard to fit at the bottom of the wall, score one side with a utility knife and quickly snap to desired size. To snap, firmly grab the board edge and quickly apply downward pressure at the scored line. An alternative method would be to stand the board on edge and place your knee against the back of the board directly behind the scored line bending the board backward against your knee. Pre-marking the stud positions on GoBoard will aid in fastening.
- Liberally apply a continuous bead of GoBoard® Sealant, or a sealant as specified in the Approved Materials section, to the bottom edge of GoBoard so that when it is butted at the base the sealant squeezes out. To comply with ANSI A118.10 and GoBoard warranty, there must be at least ⅛" gap between GoBoard and base that is completely filled with sealant. Sealant must extend onto GoBoard surface at least 1" beyond joint on either sides. The slightest pin hole may result in a leak, so careful attention is required when sealing joints. Fasten GoBoard to the studs with GoBoard® Fasteners flush to the surface of the board at a maximum spacing of 8" and within ½" - 1" of the perimeter edges. For alternative fasteners specified in the Approved Materials section, the maximum spacing is 6".
- As an alternative to traditional fasteners, fasten GoBoard to the studs with GoBoard® Washers at a maximum spacing of 12" following the detailed instructions at [www.jm.com/goboard](http://www.jm.com/goboard).
- Again, liberally apply a continuous bead of GoBoard Sealant, or a sealant as specified in the Approved Materials section, to the top edge so that when GoBoard is butted the sealant squeezes out. Ensure a tight seal at the joint leaving a ⅛" gap. Fasten GoBoard to the studs as above, and spread the excess sealant with a putty knife or other flat surface to at least 1" beyond either side of the joint.
- Once all boards have been installed in this manner, seal all fastener locations and joints (between boards and at all corners and other changes of plane) with GoBoard Sealant, or a sealant as specified in the Approved Materials section. Make sure each fastener location is completely covered with at least a 2½" diameter patch centered over the fastener. This can be quickly achieved with a 3" putty knife. All joints should be completely

filled with sealant and sealant spread 1" beyond either side of joint.

- **Joint Sealing Alternative:** Leave a maximum ⅛" gap between boards and fill the joint gaps with mortar, as specified in Approved Materials section. Place 2" alkali resistant fiber glass mesh tape on the joint and embed with mortar, ensuring it is fully covered. Then, if a waterproof installation is required, seal all joints and fastener locations with two coats of liquid waterproofing membrane, as specified in the Approved Materials section ensuring the liquid waterproofing membrane extends at least 1" beyond the mortar.

## STEAM SHOWERS

- Follow GoBoard wall and ceiling installation instructions. However, either first install a manufacturer approved vapor barrier directly to the wall studs and ceiling framing behind GoBoard per the manufacturer's instructions or install a manufacturer approved vapor barrier or waterproof membrane over the external surface of GoBoard per the manufacturer's instructions.

## CEILING

### Framing Requirements:

- All framing should comply with local building code requirements and must be capable of supporting total system dead load with deflection not to exceed L/360 of the span.
- Framing members shall be spaced a maximum of 16" on-center and GoBoard edges should be continuously supported.

### Installation:

- Starting on one edge of the ceiling, measure the first GoBoard to orient in the same length-wise direction as the wall installation and then proceed with "score and snap" as previously discussed.
- Utilizing either joint sealing method in the wall installation instructions, fasten GoBoard to the ceiling studs with GoBoard Fasteners flush to the surface of the board at a maximum spacing of 8" and within ½" - 1" of the perimeter edges. For alternative fasteners specified in the Approved Materials section, the maximum spacing is 6".
- As an alternative to traditional fasteners, fasten GoBoard to the ceiling studs with GoBoard Washers at a maximum spacing of 12" following the detailed instructions at [www.jm.com/goboard](http://www.jm.com/goboard).
- Working across the remainder of the ceiling, ensure that all GoBoard joints, change of plane joints and fastener locations are sealed.

## FLOORS

- Follow GoBoard ¼" wood floor or concrete floor installation instructions.



# GoBoard® Approved Materials, Safety, Technical & Other Information

## APPROVED MATERIALS

- **Fastening: Wood** – GoBoard® Fasteners (1¼" long), GoBoard® Washers, backer board screws (1¼" long), galvanized roofing nails (1½" long) or 16 gauge galvanized staples (1" x 1").  
**Steel Framing** – GoBoard® Fasteners (1¼" long), GoBoard® Washers, or backer board screws (1¼" long).
- **Bonding:** Dry set mortar compliant with ANSI A118.1 standard or Polymer modified thin-set mortar compliant with or ANSI A118.4 standard.
- **Joint Sealing:** GoBoard® Sealant (see [www.jm.com/goboard](http://www.jm.com/goboard) for approved alternative sealants) or 2" wide polymer-coated alkali-resistant fiber glass mesh tape and mortar, as above, coated with a liquid waterproofing membrane for waterproof installations.
- **Grout:** Cement grout compliant with ANSI A118.6 standard, high performance cement grout compliant with ANSI A118.7 standard or epoxy grout compliant with ANSI A118.8 standard.
- **Tools:** Utility knife, pencil or pen for marking, straight edge, measuring tape, putty knife, appropriate roofing nail or backer board screw fastening device, ¼" square notched trowel, caulk gun and 1"–3" paint brush (for liquid sealant).

## LIMITATIONS

- GoBoard must not be used as a structural load bearing member. Follow all local and national building codes.
- In flooring applications, GoBoard is for Residential and Light Commercial use only and should not be used as a shower pan base.
- Do not use drywall nails, tape or joint compound. Fully embed GoBoard into mortar, as specified in the Approved Materials section, prior to fastening for floor applications.
- Where waterproof installations are required, ensure that all joints and fastener locations are sealed with GoBoard Sealant or a sealant as specified in the Approved Materials section. All

## TECHNICAL DATA

Property	Method	GoBoard® (¼")	GoBoard® (½")	GoBoard® (¾")	GoBoard® (1", 1½", 2")
Dimensions (feet)	ASTM C473	3'x5, 4'x8'	3'x5, 4'x8'	4'x8'	4'x8'
Thickness (inches)	ASTM C473	0.26	0.47	0.60	1.0, 1.5, 2.0
Board Weight (lbs/ft²)		0.40	0.50	0.58	0.62, 0.81, 1.0
R-Value (°F · ft² · h/BTU)	ASTM C518	1.2	2.3	2.9	5, 7.5, 10
Compressive Strength (avg. psi)	ASTM D2394	250	200	200	125
Moisture Movement (%)	ASTM D1037	<0.07	<0.07	<0.07	<0.07
Surface Burning Characteristics <sup>1</sup>	ASTM E84	Pass	Pass	Pass	Pass
Waterproof	ASTM D4068	Pass <sup>2</sup>	Pass <sup>2</sup>	Pass <sup>2</sup>	Pass <sup>2</sup>
WVT Permeance (perms)	ASTM E96	<1	<1	<1	<1
Resistance to Fungi / Bacteria	ASTM G21/G22	No Growth	No Growth	No Growth	No Growth
Freeze Thaw	ASTM C666	>25	>25	>25	>25
Robinson Floor Test	ASTM C627	Light Commercial	Light Commercial	—	—

joints must have at least a ⅛" gap that is completely filled with sealant that extends at least 1" beyond either side of joints.

- For steam showers, install a manufacturer approved vapor barrier directly to the wall studs and ceiling framing behind GoBoard per the manufacturer's instructions, or install a manufacturer approved vapor barrier or waterproof membrane over the external surface of GoBoard per the manufacturer's instructions.
- For floor installations, tiles installed onto GoBoard must be a minimum of 6" in size (individual tile dimensions).

## SAFETY & HANDLING

- **Safety:** Please wear gloves, safety glasses and long sleeve shirts and pants and follow good safety practices when installing GoBoard. Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon exposure to fibers or dust during handling. GoBoard contains no cement.
- **Storage and Handling:** GoBoard should be delivered to distributors in unopened packages and stored flat and in an enclosed shelter.

## LIMITED WARRANTY

### LIMITED WARRANTY; SPECIFICATIONS

All products sold are subject to the following limited warranty: Johns Manville ("Seller") warrants that for a period of one year from the date of purchase the product will be free from defects in material and workmanship and is manufactured in all material respects to Seller's product specifications.

SELLER DISCLAIMS ALL OTHER REPRESENTATIONS AND WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, IN FACT OR IN LAW, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. Every claim under this limited warranty shall be deemed waived unless in writing and received by Seller within 10 days of product purchase if visibly damaged or defective, and, otherwise, within 30 days after the defect to which each claim relates is discovered, or should have been discovered, but in no event longer than 1 year after product purchase.

### LIMITATION OF REMEDY

PURCHASER'S EXCLUSIVE REMEDY AND THE LIMIT OF SELLER'S LIABILITY FOR BREACH OF THIS LIMITED WARRANTY, WHETHER BASED ON NEGLIGENCE, BREACH OF WARRANTY, STRICT LIABILITY, OR ANY OTHER THEORY AT LAW OR IN EQUITY, SHALL BE, AT SELLER'S OPTION, REPAIR, REPLACEMENT WITH A LIKE QUANTITY OF NONDEFECTIVE PRODUCT OR REFUND OF THE PURCHASE PRICE.

### NO RECOVERY OF CONSEQUENTIAL OR SPECIAL DAMAGES

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL, INCIDENTAL, INDIRECT OR PUNITIVE DAMAGES, INCLUDING, WITHOUT LIMITATION, ANY CLAIMS OF PROPERTY DAMAGE, WHETHER BASED UPON BREACH OF WARRANTY, NEGLIGENCE, STRICT LIABILITY, TORT, BREACH OF CONTRACT, OR ANY OTHER LEGAL THEORY.

Some states do not allow the exclusion or limitation of warranties or do not allow the exclusion or limitation of incidental or consequential damages, so the above disclaimers may not apply to you.

<sup>1</sup>Per International Building Code Requirements

<sup>2</sup>ANSI A118.10 certified

- GoBoard is waterproof.
- GoBoard core is not made from polystyrene and will not melt and flow.

Installation Guide:

visit [www.JM.com/GoBoard](http://www.JM.com/GoBoard)

