Johns Manville GoBoard® is an ultra-lightweight, yet highly durable waterproof sheathing and underlayment board that is easy to cut and handle. Constructed with a high density, rigid polyisocyanurate foam core and high strength coated glass facers, GoBoard combines multiple functions into one product making it the perfect building solution for various wood or steel frame construction in both residential and commercial buildings.

This document is intended to provide general installation instructions for 1/2”, 5/8” and 1” GoBoard used as an exterior structural sheathing panel, water resistive barrier, air barrier and waterproof substrate for adhering decorative veneers, ceramic tile, stone and various exterior coatings and finishes.

For additional information on GoBoard Structural Sheathing, please visit www.JM.com/GoBoardStructuralSheathing
ULTRA-LIGHTWEIGHT
GoBoard is 50% to 80% lighter than competitive products making it easy to handle and install safely, particularly for projects on multi-story buildings or while transporting a structure to an on-site build.

WATERPROOF
The built air and weather barrier of GoBoard eliminates the need for messy and labor intensive waterproof coatings or house wraps saving you time and money during installation. For exterior decorative veneers, simply adhere direct to GoBoard.

FAST + EASY INSTALLATION
Install GoBoard with GoBoard Fasteners and GoBoard Washers or approved fasteners. Since GoBoard is completely waterproof inside and out, simply seal joints and fasteners with GoBoard Pro Sealant or Seam Tape. GoBoard resists mold and fungi growth.

EASY TO CUT
Simply score and snap GoBoard with a basic utility knife for instant dimension change without crumbling or disintegrating. For wall penetrations, simply cut around penetration using a utility knife, hand saw, or routed.

R VALUE
With a value of R5 at 1” thickness, GoBoard provides excellent insulation as a structural sheathing and can be used as continuous insulation.

For interior underlayment applications requiring the installation of tile or stone, please refer to the GoBoard installation instructions www.JM.com/GoBoard.
Framing Requirements:

- All wood and steel framing should comply with IBC and IRC for Type V construction.
- Wood framing members shall be spaced a maximum of 16” on-center and shall be a minimum 2” x 4” nominal. And could be 24” in non-structural applications.
- Steel framing can be spaced a maximum of 16” on-center for 5/8” thick GoBoard and a maximum of 24” on-center for 1” GoBoard. Must use minimum 20 gauge (33 mil), 1 5/8” x 3 5/8”, 33 ksi steel studs.
- All GoBoard edges must be continuously supported.
- Single or double top plate installation is permitted.
- When installing lap siding or other exterior claddings that must be nailed, install nails where GoBoard is supported by framing members.
- For veneer, stone and ceramic tile applications use furring strips as needed to ensure the framed walls are flat prior to installing GoBoard.
- When installing GoBoard over existing structural sheathing panels, please refer to Table 2 (page 8) for fastening patterns.
- For additional information, please reference TER 1811-01 at www.drjcertification.org or www.JM.com/GoBoardStructuralSheathing.

Recommended Tools and Materials:

- GoBoard Pro Sealant (use as adhesive & sealant)
- GoBoard Seam Tape (use to seal joints and penetrations)
- GoBoard HiLo Fastener for wood studs, 1 1/4” and 1 5/8”
- GoBoard Self-Drilling Fastener for steel studs, 1 1/4” and 1 5/8”
- 1.25” GoBoard Washer with included 1 5/8” HiLo Fastener for wood studs
- 1.25” GoBoard Washer with included 1 5/8” Self-Drilling Fastener for steel studs
- 1” crown 16 gauge galvanized staple for wood studs only
- Caulk Gun
- Putty Knife
- Corner Putty Knife
- Utility Knife
- Hand Saw
- Scissors
- Drywall T-Square
- Speed Square
- Tape Measure
- Cordless Drill
- Staple Gun
Support GoBoard on opposing side of score line and push down on shorter side as shown above. For 1” or thicker GoBoard, using a power tool such as a circular saw or table saw will produce cleaner cuts.

Cutting GoBoard:
To cut 1/2” and 5/8” GoBoard, simply score the outer facer with a utility knife and quickly snap to the desired size. For 1” or thicker GoBoard products and when more precise cuts are required, power tools such a table saw or circular saw can be used to cut GoBoard. As an alternative, GoBoard can be scored on both sides and then snapped. For wall penetrations, both hand and power tools can be used. Although GoBoard does not contain respirable crystalline silica, proper PPE is recommended when using power tools that generate dust. See Safety and Handling Section (page 19) for more details.

Cutting GoBoard:
Using a utility knife, cut thru (score) the top facer using a straight edge as a guide. For 1” or thicker GoBoard, cut both the top and bottom facers while cutting into foam by at least 1/4”.

Installation:
- GoBoard can be installed with either side of the board facing outside and oriented with the long side oriented vertically or horizontally for non-structural applications, but must be installed vertically when GoBoard is a structural element.
- When GoBoard is used as a structural element, Table 1 (page 7) provides fastening schedules with and without adhesive.
- When GoBoard is not being used as a structural element, Table 2 (page 8) provides fastening schedules with approved fasteners.
- For structural capacities, refer to Tables 2 thru 5 in TER 1811-01 at www.drjcertification.org or www.JM.com/GoBoardStructuralSheathing.
Step 1: Installing GoBoard

- If using adhesive to bond GoBoard to studs (wood or metal), apply a 1/4” bead of GoBoard Pro Sealant* onto the studs where board is being installed.
- Fasten GoBoard to the studs with fasteners listed in the Approved Materials Section and in accordance with Table 1 (page 7) as fastener spacing will depend on fastener type, adhesive, system and structural requirements.
- GoBoard Fasteners shall be installed with a minimum edge distance of 3/8” (9.5 mm) and flush with board surface.
- GoBoard Washers may be installed between boards at joints (non-structural) or with a minimum edge distance of 5/8” (15.9 mm)
- 16 gauge 1” (25.4 mm) crown staples (1” min. leg length) shall be installed (wood studs only) with a minimum edge distance of 3/8” parallel to the underlying framing member. Staple length should provide 0.5” (12.7 mm) framing member depth.
- When using liquid applied sealant (GoBoard Pro Sealant) to create the air and water barrier between adjacent boards, install GoBoard with 1/8” gaps or 1/8” routing between all board joints. See www.JM.com/GoBoardStructuralSheathing for a list of approved alternative sealants.
- When using GoBoard Seam Tape**, install GoBoard with all boards tightly butted together.

Use GoBoard Pro Sealant as the adhesive for both wood and steel studs and as the sealant in next steps.

1 1/4” Self-Drilling GoBoard Fasteners with a 12:12 pattern using optional GoBoard Pro Sealant as an adhesive on steel stud framing. See Table 1 for fastening schedules.

1” crown x 1.5” leg 16 gauge galvanized staples installed with crown parallel to the wood studs using a 3:6 pattern. See Table 1 for fastening schedule.

Note: Install GoBoard no more than 15 minutes after applying GoBoard Pro Sealant as it will begin to skin over and hinder proper adhesion to GoBoard. If GoBoard Pro Sealant has skinned over, remove affected sealant and reapply.

* Do not install GoBoard Pro Sealant below 32° F
** Do not install GoBoard Seam Tape below 0° F
PLEASE NOTE: When overdriving fasteners below surface of outer facing, use GoBoard Pro Sealant to seal overdriven fastener penetrations.

Option A: 1/8” gaps between boards when using GoBoard Pro Sealant.

Option B: Tightly butted boards with 1/8” routed gap (as well as 1/8” deep) when using GoBoard Pro Sealant.

Option C: Tightly butt boards together when using GoBoard Seam Tape.

Stagger GoBoard joints as shown.

See Fig 1 below

Fig 1: Isometric view of 1/8” x 1/8” routing.

Proud (not recommended)

Flush (recommended)

Overdriven (not recommended)
When using 1” crown staples for structural applications, install staples on both sides of joint spaced according to Table 1. A 3:6 (perimeter : field) pattern is shown above. For non-structural applications, use a 6:6 pattern.

When using GoBoard Washers for structural applications, install washers on either side of joint in a slight staggered pattern as shown above. Refer to Table 1 for fastening patterns.

For applications where GoBoard is functioning as a structural element, stagger washers by at least 1 1/4” from center of washers as shown above.

For non-structural applications, GoBoard Washers can be installed between board joints for both wood and steel studs using a 12:12 pattern.

Perimeter staples must be oriented parallel to board edges as shown above while field fasteners are oriented parallel to studs.

1 1/4” GoBoard Washer with included 1 5/8” HiLo fastener for wood studs.

1 1/4” GoBoard Washer with included 1 5/8” Self Drilling fastener for steel studs.

1/8” gaps between boards shown with GoBoard Washers and 1” crown staples, but same fastening method and patterns apply when boards are tightly butted together for GoBoard Seam Tape.

TABLE 1 - Fastening Schedule for Structural Applications

<table>
<thead>
<tr>
<th>GoBoard Thickness</th>
<th>Stud Type</th>
<th>Stud Spacing</th>
<th>Joint Type</th>
<th>Fastener Type</th>
<th>Adhesive</th>
<th>Fastener Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2”</td>
<td>Wood</td>
<td>16” o.c.</td>
<td>Butted</td>
<td>16 ga 1” crown X 1 leg galvanized staple</td>
<td>No</td>
<td>2:6</td>
</tr>
<tr>
<td>5/8”</td>
<td>Wood</td>
<td>16” o.c.</td>
<td>Butted</td>
<td>16 ga 15/16” crown X 1 1/4” leg galvanized staple</td>
<td>No</td>
<td>3:6</td>
</tr>
<tr>
<td>5/8”</td>
<td>Wood</td>
<td>16” o.c.</td>
<td>Butted</td>
<td>1 1/4” GoBoard Hi-Lo Wood Screws⁴</td>
<td>No</td>
<td>8:8</td>
</tr>
<tr>
<td>5/8”</td>
<td>Steel</td>
<td>16” o.c.</td>
<td>1/8” gap¹</td>
<td>1 1/4” GoBoard Washers with 1 5/8” self drilling screws⁴</td>
<td>Yes</td>
<td>6:12</td>
</tr>
<tr>
<td>1”</td>
<td>Steel</td>
<td>24” o.c.</td>
<td>1/8” gap¹</td>
<td>1 1/4” GoBoard Washers with 1 5/8” self drilling screws⁴</td>
<td>Yes</td>
<td>6:12</td>
</tr>
<tr>
<td>1”</td>
<td>Steel</td>
<td>24” o.c.</td>
<td>1/8” gap¹</td>
<td>1 5/8” GoBoard self drilling screws⁴</td>
<td>Yes</td>
<td>12:12</td>
</tr>
<tr>
<td>1”</td>
<td>Steel</td>
<td>24” o.c.</td>
<td>Butted</td>
<td>1 1/4” GoBoard Washers with 1 5/8” self drilling screws⁴</td>
<td>Yes</td>
<td>12:12</td>
</tr>
<tr>
<td>1”</td>
<td>Steel</td>
<td>24” o.c.</td>
<td>Butted</td>
<td>1 1/4” GoBoard Washers with 1 5/8” self drilling screws⁴</td>
<td>Yes</td>
<td>12:12</td>
</tr>
</tbody>
</table>

¹ 1/8” gap filled with GoBoard Pro Sealant.  ² Adhesive on studs 1/4” bead, 2” tall.  ³ Fastener spacing in inches Edge : Field.  ⁴ Alternatively, bugle head screws can be used.
## TABLE 2 - Fastening Schedule for Non-Structural Applications*

<table>
<thead>
<tr>
<th>Fastener Type</th>
<th>Stud Type</th>
<th>Fastener Spacing*</th>
<th>Allowable Veneer Load^</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>GoBoard Fastener Hi Lo (1 1/4&quot;; 1 5/8&quot;)</td>
<td>Wood</td>
<td>8 in.</td>
<td>36</td>
<td>Install flush to GoBoard Surface</td>
</tr>
<tr>
<td>GoBoard Fastener Self Drilling (1 1/4&quot;; 1 5/8&quot;)</td>
<td>Steel</td>
<td>8 in.</td>
<td>36</td>
<td>Install flush to GoBoard Surface</td>
</tr>
<tr>
<td>1 1/4&quot; GoBoard Washers with 1 5/8&quot; Hi Lo Screws</td>
<td>Wood</td>
<td>12 in.</td>
<td>71</td>
<td>Push washer into board, install fastener forcing</td>
</tr>
<tr>
<td>1 1/4&quot; GoBoard Washers with 1 5/8&quot; Self Drilling Screws</td>
<td>Steel</td>
<td>12 in.</td>
<td>71</td>
<td>Push washer into board, install fastener forcing</td>
</tr>
<tr>
<td>Backer Board Hi Lo Screws (1 1/4&quot;; 1 5/8&quot;)</td>
<td>Wood</td>
<td>6 in.</td>
<td>14</td>
<td>Install flush to GoBoard surface</td>
</tr>
<tr>
<td>Backer Board Self Drilling Screws (1 1/4&quot;, 1 5/8&quot;)</td>
<td>Steel</td>
<td>6 in.</td>
<td>14</td>
<td>Install flush to GoBoard surface</td>
</tr>
<tr>
<td>16 gauge 1&quot; Crown Galvanized Staple¹</td>
<td>Wood</td>
<td>6 in.</td>
<td>31</td>
<td>Adjust regulator until most staples are flush and use a hammer for the few that are not flush</td>
</tr>
<tr>
<td>1 1/4&quot; GoBoard Washers with 1 5/8&quot; Hi Lo Screws</td>
<td>Steel</td>
<td>6 in.</td>
<td>31</td>
<td>Adjust regulator until most staples are flush and use a hammer for the few that are not flush</td>
</tr>
<tr>
<td>Backer Board Self Drilling Screws (1 1/4&quot;, 1 5/8&quot;)</td>
<td>Steel</td>
<td>6 in.</td>
<td>14</td>
<td>Install flush to GoBoard surface</td>
</tr>
<tr>
<td>16 gauge 1&quot; Crown Galvanized Staple¹</td>
<td>Wood</td>
<td>6 in.</td>
<td>31</td>
<td>Adjust regulator until most staples are flush and use a hammer for the few that are not flush</td>
</tr>
</tbody>
</table>

### Diagrams

- 2:6 Pattern, 1" Staple, Wood Stud
- 6:12 Pattern, GoBoard Washers, Steel Stud
- 6:8 Pattern, GoBoard Fastener, Wood Stud

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* Not listed in TDR and local building codes should be checked for compliance. ¹ Both edge and field spacing. ² Max adhered veneer load in lb/ft² using safety factor of 3. ³ Leg length depends on board thickness with 1/2" penetration in wood stud is required.

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**Notes:**
- Install flush to GoBoard Surface
- Push washer into board, install fastener forcing
- Adjust regulator until most staples are flush and use a hammer for the few that are not flush
- Install flush to GoBoard surface
- Adjust regulator until most staples are flush and use a hammer for the few that are not flush
**Step 2: Cutting Around Openings**

- Cut GoBoard around all openings and install fasteners with perimeter spacing schedule used in Step 1 or Table 1.
- For smaller openings, cut GoBoard to required shape using a utility knife, hole saw or power tool.
- When using power tools, please refer to Safety and Handling section for warnings and proper PPE (page 19).
Using a caulk gun, force GoBoard Pro Sealant into all joints while liberally applying sealant such that a heavy bead is created over the joint. Cutting the nozzle with a smaller opening helps force sealant into joint.

Completely fill 1/8" gap or routing with sealant by forcing sealant into joint with caulk gun. Cutting nozzle at an angle with opening slightly larger than gap will help.

Spread sealant with a putty knife while maintaining a film thickness of at least 15 mils. Do not wait more than 5 minutes to spread sealant. It will begin to skin over within 10 to 15 minutes depending on humidity and temperature.

If needed, apply additional GoBoard Pro Sealant to achieve minimum 15 mils film thickness and 1” minimum spread on each side of joint.
Fill all gaps around penetrations and spread sealant 1” minimum around object. Gaps should not exceed 1/2” and use a backer rod for gaps exceeding 1/4”.

For applications requiring ANSI A118.10 compliance, seal all fastener penetrations by applying a large bead of sealant over each fastener and spreading with putty knife.
Step 3b: Sealing GoBoard Joints and Penetrations with GoBoard Seam Tape

- Cut GoBoard Seam Tape to proper length using scissors or a utility knife (with sharp blade).
- For flat surfaces, partially remove split release liner (both sides) and lightly adhere tape to GoBoard.
- Slowly remove release liner while adhering tape to GoBoard until entire length of tape is adhered. Discard release liner.
- Using light pressure with a plastic squeegee or GoBoard Putty Knife, embed GoBoard Seam Tape into GoBoard surface making sure not to produce wrinkles or tears in seam tape. Both can result in air and water leaks.
- For inside and outside corners, fold tape along length and remove one side of split release liner. Adhere the one side to GoBoard and then remove remaining release liner and adhere to opposing side.
- At tape intersections, overlap tape by at least 1” using a plastic squeegee or GoBoard Putty Knife to seal tape joint. The top tape must be forced into edge of underlying tape to produce a waterproof seal.
- For penetrations, follow above steps and stretch tape as needed to fit odd shaped penetrations or use GoBoard Pro Sealant.

**Begin installing GoBoard Seam Tape over board joints being careful not to create wrinkles. Use a dull plastic squeegee or GoBoard Putty Knife to embed seam tape adhesive into GoBoard surface. When properly adhered, the board surface texture should show through seam tape.**

**Using the dull plastic squeegee or GoBoard Putty Knife, force overlying GoBoard Seam Tape into the underlying seam tape edge to produce a water tight seal at each overlap joint. Any gap left between layers of GoBoard Seam Tape will result in water and air leaks.**

**Install remaining GoBoard Seam Tape over board joints that do not intersect window or door openings. Use a dull plastic squeegee or GoBoard Putty Knife to properly embed seam tape. When properly adhered, the board surface texture should show through seam tape.**

**Overlap tape intersections by at least 1 inch and ensure the tape joints are water tight by forcing overlying tape into underlying tape edge with a dull plastic squeegee or GoBoard Putty Knife.**
Step 4a: Sealing Windows with GoBoard Pro Sealant

Sealing Flanged Windows
- Create pan flashing with GoBoard Pro Sealant.
- Apply a 1/4” bead of GoBoard Pro Sealant around perimeter of window leaving gaps for drainage at the window sill (bottom).
- Level and install window per manufacturer’s instructions.
- Seal around window perimeter using GoBoard Pro Sealant.
- From the inside, fill gaps between window and opening with low-expanding polyurethane foam or GoBoard Pro Sealant if less than 1/4”.

Apply a ribbon of GoBoard Pro Sealant on sill framing and spread with a putty knife while maintaining 15 mils film thickness. Extend sealant up both jambs by approximately 6”.

Apply additional GoBoard Pro Sealant near the window sill and spread with a putty knife while maintaining 15 mils film thickness. Extend sealant at least 3” away from window opening.

Apply a 1/4” bead of GoBoard Pro Sealant around the perimeter of window opening leaving 2 drainage gaps at the sill as shown above.

Install the window following manufacturers instructions. Window fastener locations and quantity are for illustrative purposes only.

Seal around installed window flange with GoBoard Pro Sealant using a putty knife to maintain at least 15 mils film thickness while spreading sealant at least 2” beyond flange. Do not seal sill as this will impede drainage.
Step 4b: Sealing Windows with GoBoard Seam Tape

Sealing Flanged Windows
- Create pan flashing with GoBoard Seam Tape.
- Use a dull plastic squeegee or GoBoard Putty Knife to properly embed seam tape.
- Level and install window per manufacturers instructions using GoBoard Pro Sealant if needed around perimeter.
- Remove any burrs or other rough edges at corners of window flange to ensure proper seal when using seam tape.
- Seal around installed window flange using GoBoard Seam Tape.
- From the inside, fill gaps between window and opening with low-expanding polyurethane foam or GoBoard Pro Sealant if less than 1/4”.

Adhere seam tape to sill using dull plastic squeegee or GoBoard Putty Knife to ensure sufficient adhesion to wood or steel studs. When using 4” wide GoBoard Seam Tape, overlap two sections of tape along length of sill ensuring to properly seal joint as in previous steps.

Cut shorter sections of GoBoard Seam Tape and seal both sill corners by stretching seam tape onto outside GoBoard surface. As with previous steps, properly embed and seal all overlap tape joints.

Install window following manufacturer’s instructions beginning by installing fasteners and then applying flashing tape. Fastener locations and quantity are for illustrative purposes only.

Install side flashing, top flashing and seam tape over any joints above window ensuring to properly adhere and seal GoBoard Seam Tape overlap joints.
Step 4c: Sealing Windows with GoBoard Pro Sealant

Sealing Brick Molded Windows
- Create pan and jamb flashing with GoBoard Pro Sealant.
- Install the window per manufacturer’s instructions including rigid flashing, leveling and securing window.
- GoBoard Pro Sealant can be used with flashings and other components required to install window.
- On the outside, seal the opening with GoBoard Pro Sealant using a backer rod where gaps are greater than 1/4”.
- From inside, fill rough opening with low-expanding polyurethane foam or GoBoard Pro Sealant if gap is less than 1/4”. As an alternative to foam, use a backer rod and then apply GoBoard Pro Sealant.
- Follow manufacturer’s instructions for flashing and final securement of window.

Apply GoBoard Pro Sealant to sill framing and on adjacent perimeter wall for approximately 2 to 3” maintaining a film thickness of 15 mils. As an option or if required by window manufacturer, apply sealant on both jambs and adjacent perimeter wall as shown.

Where required, GoBoard Pro Sealant can be used with flashings and other components required by window manufacturer.

Install the window following manufacturer’s instructions for required head flashings, leveling and securing. From inside, fill openings between window and opening with low-expanding polyurethane foam or GoBoard Pro Sealant if gaps are less than 1/4”.

Seal perimeter with GoBoard Pro Sealant using a backer rod if gaps are larger than 1/4”. Follow window manufacturer’s instructions for flashing and final securement of window.
Sealing Brick Molded Windows

- Create pan and jamb flashing with GoBoard Seam Tape.
- Install window per manufacturer’s instructions including rigid flashing, leveling and securing window.
- GoBoard Pro Sealant can be used with flashings and other components required to install window.
- On the outside, apply GoBoard Seam Tape to rigid flashing following manufacturer’s instructions.
- From inside, fill rough opening with low-expanding polyurethane foam or GoBoard Pro Sealant if gap is less than 1/4”. As an alternative to foam, use a backer rod and then apply GoBoard Pro Sealant.

Step 4d: Sealing Windows with GoBoard Seam Tape

Adhere seam tape to sill using dull plastic squeegee or GoBoard Putty Knife to ensure sufficient adhesion to wood or steel studs. When using 4” wide GoBoard Seam Tape, overlap two sections of tape along length of sill and then seal corners ensuring to properly seal all tape joints.

Install window following manufacturer’s instructions for required rigid sill and head flashings, leveling and securing. Fill gaps between window and opening with GoBoard Pro Sealant using backer rod if gaps are greater than 1/4”.

Adhere seam tape to both window jambs as required. When using 4” wide GoBoard Seam Tape, overlap two sections of tape along length of sill ensuring to properly seal joint as in previous steps. Follow window manufacturer’s instructions for preparing opening for window installation.

Install GoBoard Seam Tape on both sides of window, overhead flashing and any board joints above window ensuring to properly adhere seam tape and seal overlap joints using a dull plastic squeegee or GoBoard Putty Knife.
Step 5: Sealing Doors with GoBoard Pro Sealant

- Install GoBoard Pro Sealant on sides and head of door opening.
- Install door following manufacturer’s instructions including leveling, shimming, ensuring squareness and securing.
- Install door hardware including sill, knobs, etc.
- From the outside, seal gaps between door and opening with GoBoard Pro Sealant using a backer rod when gaps are greater than 1/4”.
- Install molding if not included with door frame using GoBoard Pro Sealant where needed and then drip edge.
- On the outside, apply GoBoard Pro Sealant over drip edge following manufacturer’s instructions.
- From inside, fill rough opening with low-expanding polyurethane foam or GoBoard Pro Sealant if gap is less than 1/4”. As an alternative to foam, use a backer rod and then apply GoBoard Pro Sealant.

Apply GoBoard Pro Sealant to the wood or steel studs on both sides of door opening followed by top to a film layer of at least 15 mils. Once sealant skins over, install door following manufacturer’s instructions for leveling, shimming, squareness and securing.

From the outside, seal gaps between door and opening with GoBoard Pro Sealant using a backer rod for gaps larger than 1/4”. If the door assembly includes molding (not shown), fill the gaps from inside and follow door manufacturer’s instructions for sealing molding.

If not included with door, install molding and as an option, apply GoBoard Pro Sealant around door perimeter behind molding prior to fastening in place. Install drip edge over top molding.

Install GoBoard Pro Sealant over drip edge and seal around door molding.
Step 5: Sealing Doors with GoBoard Seam Tape

- Install GoBoard Seam Tape beginning with sides and then head of door opening always starting from inside.
- Install door following manufacturer’s instructions including leveling, shimming, ensuring squareness and securing.
- Install door hardware including sill, knobs, etc.
- From the outside, seal gaps between door and opening with GoBoard Pro Sealant using a backer rod when gaps are greater than 1/4”.
- Install molding if not included with door frame using GoBoard Pro Sealant where needed and then install drip edge.
- On the outside, apply GoBoard Seam Tape over drip edge following manufacturer’s instructions.
- From inside, fill rough opening with low-expanding polyurethane foam or GoBoard Pro Sealant if gap is less than 1/4”. As an alternative to foam, use a backer rod and then apply GoBoard Pro Sealant.
Approved Materials
- **Fastening: Wood** - GoBoard Fasteners, GoBoard Washers, 16 gauge galvanized staples (1" crown), backer board screws (non-structural) or galvanized roofing nails (non-structural).
- **Fastening: Steel** - GoBoard Fasteners, GoBoard Washers or backer board screws (non-structural)
- **Adhesive**: GoBoard Pro Sealant or approved alternative
- **Joint Sealant**: GoBoard Pro Sealant or approved alternative
- **Bonding**: Dry set mortar compliant with ANSI A118.1 or Polymer modified thin-set mortar compliant with ANSI A118.4.
- **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, T-square or speed square, measuring tape, putty knife, appropriate screw, nail or staple fastening device and caulk gun.

Limitations
- GoBoard can only be used as a structural sheathing element when adhering to DrJ listing and installation instructions. Follow all local and national building codes.
- GoBoard is intended for Type V construction in accordance with IBC and IRC.
- GoBoard is not a thermal barrier and direct replacement for gypsum.
- Where ANSI A118.10 compliance is required, ensure all joints and fastener penetrations are sealed with GoBoard Pro Sealant or approved alternative (visit www.JM.com/GoBoardStructuralSheathing). All joints must have a 1/8" gap that is completely filled with sealant that extends at least 1" beyond either side of joints. For water and air barrier applications not requiring ANSI A118.10 compliance, sealing penetrations is optional. However, any holes created from improperly installed fasteners or overdriven fasteners must be sealed.
- Do not install GoBoard Pro Sealant below 32°F.
- Do not install GoBoard Seam Tape below 0°F.

Technical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Method</th>
<th>½&quot;</th>
<th>¾&quot;</th>
<th>1&quot;</th>
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<tbody>
<tr>
<td>Dimensions (feet)</td>
<td>ASTM C473</td>
<td>4x8, 4x9</td>
<td>4x8, 4x9</td>
<td>4x8, 4x9</td>
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<td>Thickness (inches)</td>
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<tr>
<td>Board Weight (lbs/ft²)</td>
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<td>0.5</td>
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</tr>
<tr>
<td>R-Value (<strong>F°•ft²•h•BTU</strong>)</td>
<td>ASTM C518</td>
<td>2.1</td>
<td>2.4</td>
<td>5</td>
</tr>
<tr>
<td>Compressive Strength (avg. psi)</td>
<td>ASTM D2394</td>
<td>200</td>
<td>200</td>
<td>125</td>
</tr>
<tr>
<td></td>
<td>ASTM D1621</td>
<td>150</td>
<td>150</td>
<td>75</td>
</tr>
<tr>
<td>Tensile Strength (psf)</td>
<td>ASTM C209</td>
<td></td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>Water Absorption (%Vol)</td>
<td>ASTM C209</td>
<td></td>
<td>&lt;0.5</td>
<td></td>
</tr>
<tr>
<td>Dimensional Stability, L, W, T (%)</td>
<td>ASTM D2126</td>
<td>&lt;4.0</td>
<td>2.0</td>
<td>4.0</td>
</tr>
<tr>
<td>Moisture Movement (%)</td>
<td>ASTM D1037</td>
<td></td>
<td>&lt;0.07</td>
<td></td>
</tr>
<tr>
<td>Surface Burning Characteristics</td>
<td>ASTM D84</td>
<td></td>
<td></td>
<td>Pass</td>
</tr>
<tr>
<td>Waterproof</td>
<td>ASTM D4068</td>
<td></td>
<td></td>
<td>Pass²</td>
</tr>
<tr>
<td>WVT Permeance (perms)</td>
<td>ASTM E96</td>
<td></td>
<td>&lt;0.5</td>
<td></td>
</tr>
<tr>
<td>Resistance to Fungi / Bacteria</td>
<td>ASTM G21/G22</td>
<td>No Growth</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freeze Thaw (cycles)</td>
<td>ASTM D666</td>
<td></td>
<td></td>
<td>&gt;25</td>
</tr>
</tbody>
</table>

1 ANSI A118.10 conditions
2 Per International Building Code Requirements
3 Refer to TER 1811-01 at www.drjcertification.org for structural properties

Safety & Handling
- **Safety**: Please wear gloves, safety glasses and long sleeve shirts and pants and follow good safety practices when installing GoBoard. When using power tools, please use a respiratory protection. Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon exposure to fibers or dust during handling. GoBoard does not contain cement.
- **Storage and Handling**: GoBoard should be delivered to distributors in unopened packages and stored flat and in an enclosed shelter. Water stains or discoloration of foam will not adversely affect performance of GoBoard.

LIMITED WARRANTY

1. **Limited Warranty**: Johns Manville (“JM”) warrants for a period of twelve (12) months from the date of purchase that its GoBoard® Sheathing (“Product”) shall be free from defects that cause Product to delaminate when properly installed as an external sheathing product. JM further warrants for a period of ten (10) years that its Product shall be free from defects that make it unsuitable for its use as an air and weather resistant barrier in residential and light commercial applications. This limited warranty is (a) extended only to the owner, who must be a natural person, of the structure into which the Product is installed (“Structure”) at the time of installation of a (“Covered Person”), (b) only applicable if Product is installed with GoBoard® Fasteners and GoBoard® Washers, and sealed with GoBoard® Sealant and (c) only applicable to Product sold and used in the United States and Canada. If at any time during the applicable warranty period set forth above, the Structure is no longer owned by the Covered Person, this limited warranty is deemed null and void as of the date ownership of such Structure is assigned or transferred by the Covered Person. This Limited Warranty may not be assigned or transferred, by operation of law or otherwise.

2. **What JM Will Do**: If any Product falls within the restrictions of, and fails to conform to the limited warranty set forth in, Paragraph 1 above, during the applicable warranty period, JM will, in its sole discretion, either replace the defective Product with a like quantity of non-defective Product or refund the original purchase price of the defective Product. If the Covered Person is unable to establish the original purchase price of the defective Product, the price shall be determined by JM in its sole discretion. In addition, JM will pay for or reimburse the cost of labor necessary to replace defective Product, up to a maximum of two times the actual price paid or determined price paid as set forth above by the Covered Person for the defective Product.

LIMITATION OF REMEDY: JM’S REPLACEMENT OF DEFECTIVE PRODUCT OR REFUND OF THE PRICE PAID FOR THE DEFECTIVE PRODUCT PLUS PAYMENT OR REIMBURSEMENT OF THE LABOR COSTS DESCRIBED IN PARAGRAPH 2 SHALL BE THE SOLE AND EXCLUSIVE REMEDY FOR BREACH OF THE LIMITED WARRANTY SET FORTH IN SECTION 1 ABOVE.

3. **To Make A Claim**: Coverage under this limited warranty shall be subject to the following terms and conditions:

   - A Covered Person must provide written notice to JM within 30 days after discovery of any claimed Product defect covered by this limited warranty and before beginning any permanent repair. Such written notice must include a description of the defect, a copy of the dated sales receipt, invoice, or evidence of installation, and photos showing the claimed Product defect. Notices and all supporting documentation must be sent, by certified mail, to the nearest Johns Manville Insulation Group sales office or to Johns Manville headquarters.
   - A claimant under this limited warranty must provide proof to JM that such claimant is a Covered Person as defined in Section 1 above.
   - Product must be handled, stored and installed according to all JM installation instructions, recommendations and specifications (available at www.jm.com), standard building practices, industry standards and applicable building codes adopted by federal, state or local governments or agencies.
   - JM, upon its request, shall have 30 days from receipt of the claim to inspect the Product alleged to be defective and must be granted reasonable access for inspection.
   - Upon discovery of a claimed defect, the Covered Person must immediately, and at the Covered Person’s own expense, provide for protection of all property that could be affected until the claimed defect is remedied, if applicable. Any repairs initiated by or on behalf of a Covered Person without prior authorization from JM may, at JM’s sole discretion, void this limited warranty.

4. **What Is Not Covered**: This limited warranty does not cover damage to Product or loss or damage to the Structure or its contents resulting from any of the following:

   - Storage, handling and installation and finishing practices not in accordance with JM’s installation instructions, recommendations and specifications (available at www.jm.com), standard building practices, industry standards and applicable building codes, or further processing, modification or alteration of the Product after shipment from JM.
   - Failure of or defects in materials to which Product is attached or which are attached to Product, including any damage to Product resulting from the installation, repair or removal of any materials installed over, adjacent to, or attached to, Product.
   - Failure of the Covered Person to maintain the Structure with reasonable care and to protect Product from being subjected to above normal use or exposure within the Structure.
   - Conditions involving organic growth, including, but not limited to, mold, mildew, algae, fungus, bacteria, or insects.
   - Failure to install Product within 12 months of purchase.
   - Use of Product in any way other than as intended for sheathing in residential or light commercial applications.
   - Any acts, omissions, or negligences of the Covered Person or any third party.
   - Improper building or system design.
   - Settling of the Structure, movement of the framing members, or failure or distortion in the walls or foundation of the Structure.
   - Hurricanes, floods, fires, vandalism, hailstorms, earthquakes, high winds, tornadoes, falling objects, or any acts of God or nature.
   - Immersion in water or sustained pooling or cascading of water.
   - Product not installed using GoBoard® Fasteners and GoBoard® Washers, and/or not sealed with GoBoard® Sealant.

The Product has natural surface characteristics (marking, surface deposits and shading) and other characteristics resulting from its manufacture that are not considered defects and the Product may vary in appearance from depictions in any literature or from any sample display or other model. John Manville reserves the right to modify or delete this limited warranty without notice.

LIMITATION OF LIABILITY: IN NO EVENT SHALL JM BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL, INDIRECT, 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 THEOR Y.

The Covered Person must, at his own expense and within a reasonable time, provide for protection of all property that could be affected until Product is repaired, replaced or restored as required or remedied, if applicable.

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. No representative of JM or any other party is authorized to make any other warranty in addition to, or different from, those made herein.

Johns Manville
717 17th St, Denver, CO 80202
(303) 978-2000
www.JM.com

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