

PERMA “R” PRODUCTS

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Structural Sheathing & Flashing Tape Installation Guide

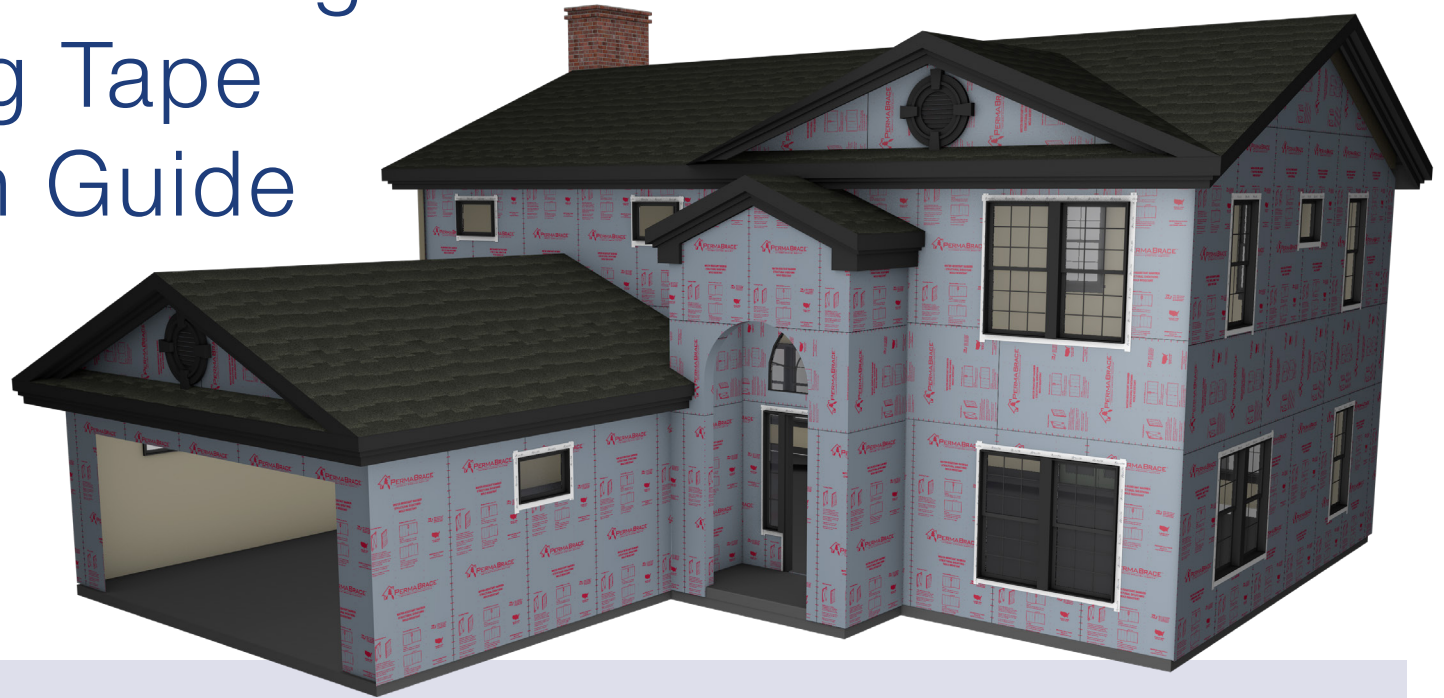


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PermaBrace



PermaBrace® structural sheathing provides racking resistance and may be used as an alternative corner bracing method with structural ratings equivalent or better than OSB.



An all-in-one, insulated, structural, AWRB solution, PermaBrace® S.I.B. is the ultimate defense against the elements. Versatile, lightweight and superior in strength to OSB, PermaBrace® S.I.B. combines the insulative power of BASF Neopor® GPS with the strength and racking resistance of PermaBrace® to deliver the toughest insulation solution on the market.

Flashing



Extremely aggressive, self-adhering flashing membrane designed to protect windows and doors from moisture penetration.



A highly stretchable flashing tape with an aggressive, slower-acting butyl rubber adhesive that conforms around radii and corners while providing maximum protection from water intrusion.

Additional Materials



A thin, strong film-coated tape with a cold-weather adhesive system for added protection against energy-robbing air infiltration and exterior moisture penetration.

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PERMABRACE®

INSTALLATION



- 1** **DO NOT fasten the four corners first.** In order to prevent gaps or rippling, it's important to move horizontally, from one side of the panel to the other, when installing.



- 2** Starting at the top left of the panel, begin fastening from top to bottom following the printed fastener schedule (every 3").



- 3** Moving across the panel, attach fasteners at the top and bottom of the panel until you reach the next stud. (NOTE: When using staples, it's important to fasten them in a parallel direction to the stud.)



- 4** Fasten panel in numerical order repeating the procedure described in steps 2 and 3. Continue until the PermaBrace® panel is properly secured to the frame.

Seams & Joints

48" sheets should have a slight gap of approximately 1/8" between panels at the seams. 48 3/4" sheets are to be overlapped 3/4".

For use as water-resistive barrier (WRB) noted in IRC section R703.2 and IBC section 1404.2, use Perma "R" Products® Seam Tape on joints and seams. Overlapped seams do not require tape for use as a WRB.

For PermaBrace S.I.B.

Weather-resistant barrier on both sides allows for install with foam side in or out.

- | | |
|-----------|--|
| R3 | Foam Outward: 15/16" x 1 3/4" Leg 16 ga. Staples
Foam Inward: 1 3/4" x 11 ga. Smooth Shank Roofing Nail |
| R5 | Foam Outward: 15/16" x 2" Leg 16 ga. Staples
Foam Inward: 1 3/4" x 11 ga. Ring Shank Roofing Nail |



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Other Details

All installation instructions and procedures contained within this brochure are recommended by Perma “R” Products® and should be followed. Failure to follow these instructions and procedures may compromise the integrity of the product and impact its performance.

All Perma “R” Products® are manufactured to meet the full intent of all applicable building codes and their governing bodies.

Perma “R” Product’s PermaBrace® is a weather-resistive barrier (WRB) designed to provide a secondary line of defense against bulk water penetration. It is not designed or intended for use as a primary waterproofing membrane.

Wind-driven rain can penetrate exterior sidings/cladding such as vinyl, wood, brick, aluminum, hardboard, cementitious, etc. Vinyl and aluminum siding are manufactured with built-in weep holes to allow proper drainage of water that gets past it. Wood, hardboard, and brick exteriors are porous, allowing water to be absorbed into them. Most brick facades also have weep holes built into the wall system to promote water drainage.

Any rips, tears, breaks, holes, etc. that happen during normal construction should be repaired by taping or patching. Other holes, gaps, or cracks created in the exterior wall around items such as faucets, dryer vents, electrical outlets, etc. should also be properly taped, flashed, and sealed. Any of these occurrences that go unrepaired will diminish the products performance and contribution to the overall water-resistance of the wall system.

It’s always a wise construction practice to use and integrate properly installed flashings around all window and door openings as well as other exterior penetrations as part of an overall design strategy to control moisture movement and transport. Please contact your builder or Perma “R” Products® for more details.

The information contained in this installation guide is to the best of our knowledge, true and accurate and is presented in good faith. Perma “R” Products® assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents.

Contact Perma “R” Products® for further information or technical support at **800.647.6130**

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