



THERMO-BRACE[®], TAPES, AND FLASHING.

INSTALLATION GUIDE

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BARRICADE® PRODUCTS

THERMO-BRACE®



Thermo-Brace 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, Thermo-Brace S.I.B. is the ultimate defense against the elements. Versatile, lightweight and superior in strength to OSB, Thermo-Brace S.I.B. combines the insulative power of BASF Neopor® GPS with the strength and racking resistance of Barricade Thermo-Brace to deliver the toughest insulation solution on the market.

FLASHING



A high-performance, asphalt-based window and door flashing tape designed to provide a permanent, weather-tight seal to protect from moisture, leaks, and air penetration.



Our top-of-the-line flashing tape offers the ultimate protection for windows and doors. The 100% butyl rubber adhesive creates a permanent, flexible, weatherproof seal, while the UV inhibitors protect against the sun's harmful rays.



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.



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



Precut Barricade Sill Corners provide a quick, easy, and economical seal at transitions between building envelope components.

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.



The perfect partner to Barricade tapes — a flexible, waterproof, door and window sealant for framework and joints.

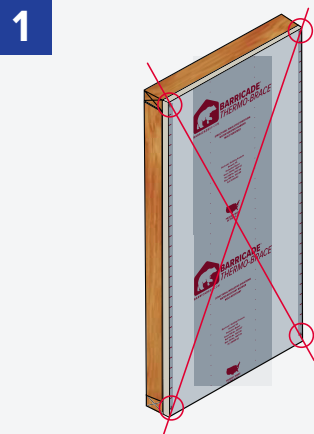
SPECIFICATION OVERVIEW

	Codes		Composition	Standard Sizes	Optional Sizes	Sheets/ Pallets	Thickness	Required Fasteners
BARRICADE THERMO-BRACE	Green	TER 1507-07	High-quality, long-fibered, specially treated water and weather-resistant plies. Plies are pressure laminated. A special water-resistant adhesive is used.	48" x 96" 48 ¾" x 96" 48" x 108" 48 ¾" x 108"	48" x 120" 48 ¾" x 120" 48" x 132" 48 ¾" x 132" 48" x 144" 48 ¾" x 144"	400	0.075"	1 ¼" Galvanized roofing nails, or 16-gauge, 1" min. crown staples with 1 ¼" leg length Red & Green = Structural up to 16" O.C. Blue = Structural up to 24" O.C.
	Red	TER 1507-08				315	0.095"	
	Blue	TER 1507-09				275	0.120"	
BARRICADE THERMO-BRACE S.I.B. - R3	Green	TER 1709-07	Barricade® Thermo-Brace™ with BASF Neopor® GPS	48" x 96" 48" x 108" 48" x 120"	48" x 120" 48 ¾" x 120" 48" x 132" 48 ¾" x 132" 48" x 144" 48 ¾" x 144"	70	¾"	Foam Outward: 1 ⅝" x 1 ¾" Leg 16 ga. Staples Foam Inward: 1 ¾" x 11 ga. Smooth Shank Roofing Nail
	Red	TER 1703-16						
BARRICADE THERMO-BRACE S.I.B. - R5	Green	TER 1709-07	Barricade® Thermo-Brace™ with BASF Neopor® GPS	48" x 96" 48" x 108" 48" x 120"	48" x 120" 48 ¾" x 120" 48" x 132" 48 ¾" x 132" 48" x 144" 48 ¾" x 144"	40	1 ⅝"	Foam Outward: 1 ⅝" x 2" Leg 16 ga. Staples Foam Inward: 1 ¾" x 11 ga. Ring Shank Roofing Nail
	Red	TER 1703-16						

	Composition	Roll Length	Roll Widths	Rolls Per Case	Total Thickness	Tensile Strength	Application Temperature Range	Operating Temperature Range	Warranty	Nail Sealability	Shelf Life	UV Exposure Rating
BARRICADE FLASH ULTI	Polyolefin faced, peel-and-stick flashing tape using butyl rubber adhesive	75'	4" 6" 9" 12"	6 6 3 4	20 mils	60 lb/in	0°F–150°F	-30°F–200°F	20-Year Limited Warranty	Pass	12 Months	Up to 365 days
BARRICADE FLASH CONFORM	Polyolefin film backing, butyl-based adhesive, polyethylene liner	75'	6" 8"	1	50 mils	> 400psi	40°F–180°F	-30°F–200°F	20-Year Limited Warranty	Pass	12 Months	Up to 365 days
BARRICADE FLASH RIGHT	White polyolefin-faced, using SBS asphalt adhesive	75'	4" 6" 9" 12" 18"	9 6 4 3 2	20 mils	12 lb/in (ASTM D412)	40°F–160°F		20-Year Limited Warranty	Pass	12 Months	180 days
BARRICADE FLASH EXTREME	Non-asphaltic, copolymer flashing tape using pressure-sensitive adhesive	75'	4" 6" 9" 12"	12 8 4 4	15 mils		-30°F–150°F		20-Year Limited Warranty	Pass	18 Months	180 days
BARRICADE FLASH CORNERS	Non-asphaltic, copolymer flashing tape using pressure-sensitive adhesive	N/A	N/A	N/A	15 mils		-30°F–150°F		20-Year Limited Warranty	Pass	18 Months	180 days
BARRICADE SEAM TAPE	Polypropylene film coated with a cold-weather acrylic adhesive system	165'	1 ⅞" 3"	16	3 mils	30 lb/in	14°F–122°F	-40°F–212°F	20-Year Limited Warranty	Pass	12 Months	180 days
BARRICADE CONSTRUCTION SEALANT	One-component, solvent-free Silyl Modified Polyether (hybrid) sealant	N/A	N/A	24	N/A	N/A	N/A	N/A	1-year Limited Warranty	Pass	12 Months	

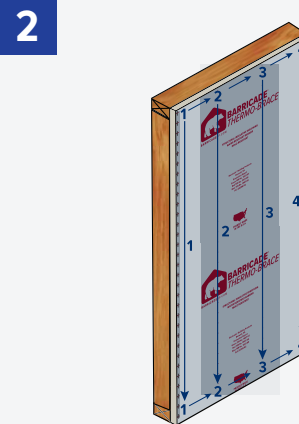
THERMO-BRACE® INSTALLATION

FOR
BARRICADE® THERMO-BRACE®
BARRICADE® THERMO-BRACE S.I.B. – R3
BARRICADE® THERMO-BRACE S.I.B. – R5

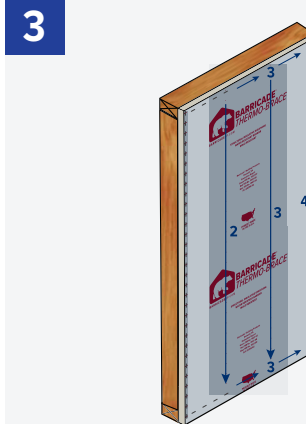


DO NOT fasten the four corners first.

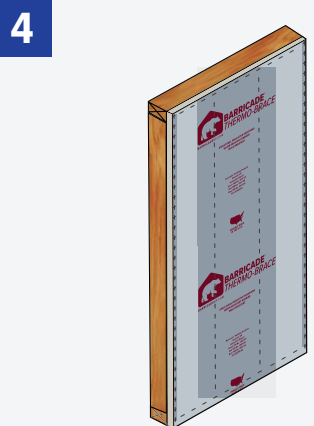
In order to prevent gaps or rippling, it's important to move horizontally, from one side of the panel to the other, when installing.



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



Fasten panel in numerical order repeating the procedure described in steps 2 and 3. Continue until the Thermo-Brace panel is properly secured to the frame.

SEAMS & JOINTS

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

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

FOR THERMO-BRACE S.I.B.

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

R3

Foam Outward:

$1\frac{5}{16}$ " x $1\frac{3}{4}$ " Leg 16 ga. Staples

Foam Inward:

$1\frac{3}{4}$ " x 11 ga. Smooth Shank Roofing Nail

R5

Foam Outward:

$1\frac{5}{16}$ " x 2" Leg 16 ga. Staples

Foam Inward:

$1\frac{3}{4}$ " x 11 ga. Ring Shank Roofing Nail

OTHER DETAILS:

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

All Barricade Building Products are manufactured to meet the full intent of all applicable building codes and their governing bodies.

Barricade Thermo-Brace 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 Barricade Building 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. Barricade Building 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 Barricade Building Products for further information or technical support at 877-832-0333.

