



Thermasheath®-SI

Structural Insulation for Exterior Walls

Installation Instructions

RESIDENTIAL APPLICATIONS

- Exterior wood frame walls
- Use as intermittent braced wall panels integrated with Thermasheath-3 or as continuous structural insulated sheathing
- With taped joints, achieve air barrier and water-resistive barrier (WRB)

INSTALLATION: STEPS

Step 1: Measuring and Cutting

- Mark cut lines using one of two options:
 1. Use straight edge with pencil/marker or chalk line
 2. Drag the hook of a measuring tape along the printed side of the board while holding the other end of the tape
- Cut boards on a level, durable surface, using a circular saw

Step 2: Installing Panels

- The Rmax logo must face the exterior of house
- Install panels vertically with the length dimension of the panels parallel to the framing behind.
- All perimeter edges must be backed and fastened to a framing member.
- Install over studs, refer to TER for framing requirements
- Panels must be installed in temperatures above 20°F

Step 3: Fastening

- Fasten boards using approved staples every 3" along perimeter and every 6" in the fields of the boards.
- Fasteners must be placed not less than 3/8" (9.5 mm) from sheathing edges. Staples shall be a minimum 16 gauge, 1/2" or 1" crown, at least 1 1/4" leg and penetrate a minimum of 1" into the stud.
- Sheathing joints must be butted at framing members and a single row of fasteners must be applied to each panel edge into the stud behind. Do not tack sheathing products to framing, but fasten each panel completely once fastening begins.

Step 4: Taping (When used as a WRB or air barrier)

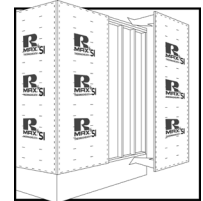
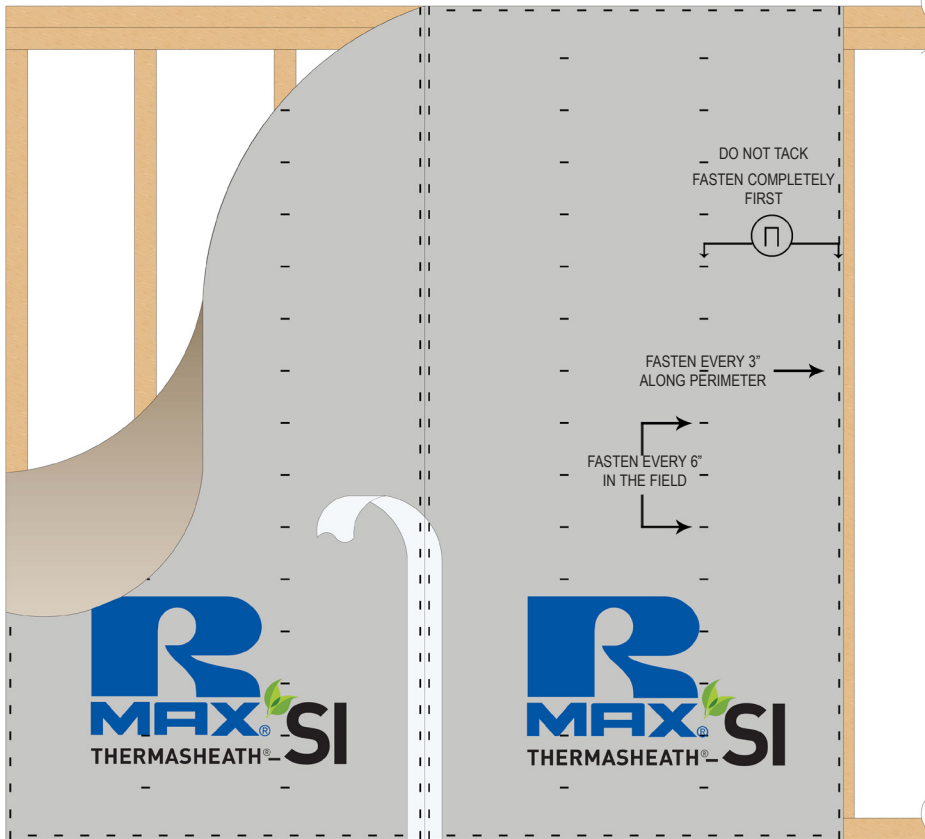
- Tape all joints with 4" R-SEAL 3000 or 3" R-SEAL Construction Tape
- Center the tape over the joints to cover fastener penetrations

Refer to Tape data sheet for additional product information.

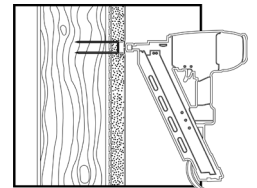
(Please note: Fasteners in the field of the board do not need to be taped to achieve WRB)

Step 5: Installing Exterior Veneer

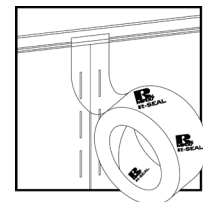
- Attach cladding (brick, stone, stucco, siding, etc.) through the insulation directly to the wood framing per the cladding manufacturer instructions.
- The barrier created by the Rmax products shall be maintained (fastener penetrations, damages during installation, etc.).



Note: All perimeter edges must be backed and fastened to a framing member.



Note: Maintain a 1" minimum penetration into wood studs, fasteners may be countersunk.



Note: To achieve WRB, all seams and transitions must be sealed as shown with R-SEAL Construction Tape or R-SEAL 3000.

For additional product information refer to Rmax Thermasheath-SI Data Sheet. Refer to the third party engineering analysis from DrJ, TER No.1207-01, for specific details on meeting code requirements.