

ZIP System® R-Sheathing Panel Orientation

ZIP System® R-Sheathing combines the 7/16” ZIP System® sheathing with polyisocyanurate (polyiso) foam insulation, offering air, thermal, and moisture resistance, as well as strength and durability. The panels are available in foam thicknesses of ½”, 1”, 1-1/2”, and 2”, providing a range of R-values. Each 4' x 8' panel (approx. 47-7/8” x 95-15/16”) includes a 1/16" to 1/8" foam overhang on one 4' edge and one 8' edge. When installed properly, this overhang helps maintain the required 1/8” gap between panel edges (see Figure 1 below).

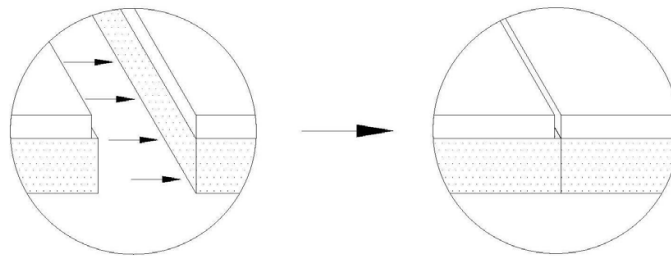


Figure 1: R-Sheathing Panel Edge Alignment

Field cuts of ZIP System R-sheathing panels may result in the 1/16”-1/8” foam overhang not being retained, but these smaller panel segments can still be installed without significantly affecting the thermal performance of the continuous insulation. Maintain a 1/8” gap for cut edges or smaller panel segments, and for optimal performance, correctly orient the ZIP System R-sheathing panels as shown below. Low-expanding spray foam can be used to fill the 1/8” gaps in the foam, ensuring continuous insulation (see page 2).

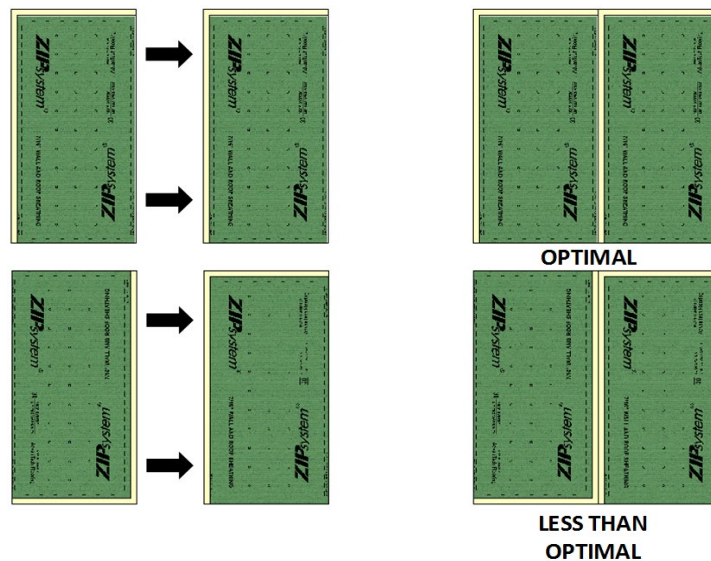


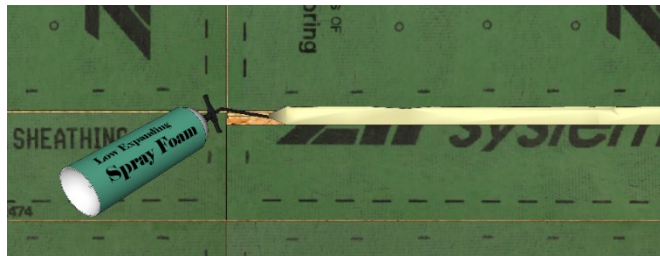
Figure 2: Proper ZIP System R-Sheathing Panel Orientation

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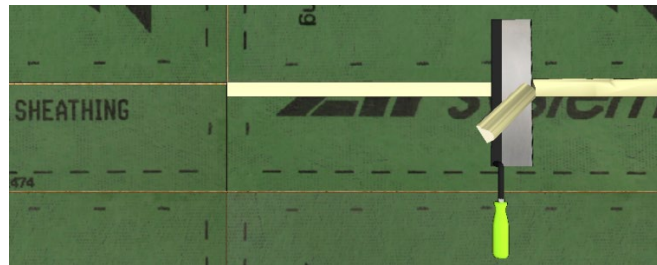
Low-Expanding Foam

Step 1: Ensure the ZIP System R-sheathing panels are free of any dirt or debris and there is solid framing for the low-expanding spray foam. The framing will provide the required surface for the low-expanding spray foam to adhere to. Fill the gap with the low-expanding spray foam and let it fully cure per the manufacturer's written instructions. The cure time should be found on the low-expanding spray foam can.

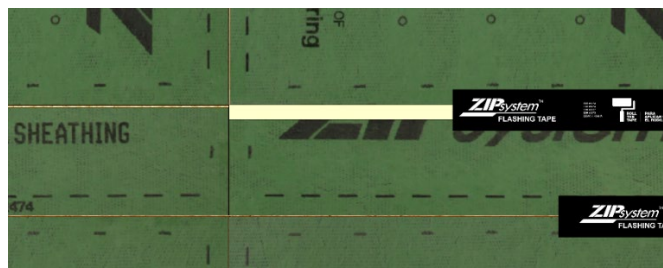
Pro Tip: Do not modify the nozzle provided by the low-expanding spray foam manufacturer unless otherwise instructed as this can lead to a mis-installation of the low-expanding spray foam.



Step 2: Once fully cured, use a saw or utility blade to cut the low-expanding spray foam flush to the surface of the ZIP System R-sheathing panels.



Step 3: Install the ZIP System™ flashing tape or ZIP System™ liquid flash over the low-expanding spray foam. Ensuring a minimum of 1-inch of coverage is achieved on to the ZIP System sheathing panels on either side of the seam.



Please visit zipsystem.com or contact our technical department at 800-933-9220 ext. 2716 with any questions or comments.

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