

Installing ZIP System® R-Sheathing over Sheathing

ZIP System® R-Sheathing panels consist of an oriented strand board panel with a water-resistive membrane laminated on the exterior face and a rigid foam insulation panel bonded on the opposite (interior) face. When properly installed and taped, ZIP System R-sheathing provides a water-resistive barrier, air barrier, and exterior insulation in one product. Because of this combination of benefits, building designers occasionally inquire about the use of ZIP System R-Sheathing over new and existing sheathing. ZIP System R-Sheathing may be used over new or existing sheathing without voiding the 30 year limited warranty provided the conditions and limitations noted below are followed.



Preparation:

Old and new sheathing alike should be inspected by others to ensure the sheathing is structurally sound and free of any voids, rot or damage. Please note, new sheathing may require a fastening inspection before the ZIP System R-sheathing can be installed.

R-sheathing:

When installing ZIP System R-sheathing over old or new sheathing the ZIP System R-sheathing panels can be installed vertically or horizontally, but the ZIP System R-sheathing must be fastened into framing. The fasteners must achieve a minimum of 1-inch of penetration into the framing member. Please note, the thickness of the sheathing does not count towards the penetration into the framing; therefore, the length of the fastener should account for the thickness of the sheathing. The minimum fastener diameter for a nail is 0.113”.

Notes: 1) Only nails can be used to attach ZIP System R-sheathing over old and new sheathing. The use of screws is prohibited. 2) The use of an interior vapor barrier is outside the recommendation of HEW when using non-permeable exterior insulation. Please follow building science requirements when specifying the amount of continuous insulation. 3) Windows and doors should be flashed to the surface of ZIP System sheathing. This typically requires removing existing windows and doors.