

ZIP System® R-Sheathing Installation over Light-Gauge Metal Framing



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 light -gauge metal studs. ZIP System® R-Sheathing may be used over light gauge metal framing without voiding the 30 year limited warranty provided the conditions and limitations noted below are followed.

ZIP System R-Sheathing Application Over Light-Gauge Metal Framing

- May only be used in buildings defined as Type V construction in accordance with the International Building Code (IBC) or construction permitted under the International Residential Code (IRC).
- ZIP System® R-Sheathing is permitted in wall construction assemblies only. Do not use on roofs.
- Not intended or recognized for lateral bracing or lateral load resistance.
- A thermal barrier must be installed per code.
- ZIP System® R-Sheathing may not be used with metal studs in fire rated assemblies.
- All panel joints must be sealed with ZIP System™ tape or ZIP System™ liquid flash.
- Secondary coatings may not be applied to ZIP System® R-Sheathing.

- Please refer to ZIP System® R-Sheathing Installation Manual for additional information and limitations.
- Follow light gauge metal manufacturer's installation information for proper installation of all light gauge metal framing components.

Fastening Information

Approved fasteners when attaching ZIP System® sheathing and ZIP System® R-sheathing are shown in the table. Fastener spacing shall be 6" o.c. along the perimeter and 12" o.c. in the field of each panel.

| Panel Type | Fastener Type | Brand | Part # | Length (in.) | Head Dia | Shank |
|-----------------|---------------|--|--------------|--------------|----------|-------|
| R-3 (1/2" Foam) | Pin | Aerosmith Versapin™ Gripshank® | 2385AG | 1.5 | 0.312 | 0.100 |
| R-3 (1/2" Foam) | Pin | Nail Pro® | 15112100HC | 1.5 | 0.300 | 0.100 |
| R-3 (1/2" Foam) | Screw | Simpson Strong-Tie® Self-Drilling Bugle-Head Screw | F08T162BD* | 1.625 | 0.344 | #8 |
| R-6 (1" Foam) | Pin | Aerosmith Versapin™ Gripshank® | 2505SBG | 2.0 | 0.312 | 0.100 |
| R-6 (1" Foam) | Pin | Nail Pro® | 15200100K | 2.0 | 0.300 | 0.100 |
| R-6 (1" Foam) | Screw | Simpson Strong-Tie® Self-Drilling Bugle-Head Screw | F08T200BD* | 2.0 | 0.250 | #8 |
| R-9 (1.5" Foam) | Pin | Aerosmith Versapin™ Gripshank® | 2635SBG | 2.5 | 0.312 | 0.100 |
| R-9 (1.5" Foam) | Pin | Nail Pro® | 1512100K300H | 2.5 | 0.300 | 0.100 |
| R-9 (1.5" Foam) | Screw | Simpson Strong-Tie® Self-Drilling Bugle-Head Screw | F10T250BD* | 2.5 | 0.344 | #10 |
| R-12 (2" Foam) | Pin | Nail Pro® | 15300100K | 3.0 | 0.250 | 0.100 |
| R-12 (2" Foam) | Screw | Simpson Strong-Tie® Self-Drilling Bugle-Head Screw | F10T300BD* | 3.0 | 0.344 | #10 |

* Last letter of part # depends on quantity ordered