



**Product Name:** 1-1/2" Snap Lock 24 Gauge Metal Roofing Panels Installed over 7/16" or 15/32" Plywood

**Manufacturer:** Metal Heads LLC.  
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**General Description:**

The 1-1/2" Snap Lock metal roofing panel is minimum 24 gauge galvalume steel panels with an optional paint finish. The metal roofing panels have a maximum coverage of 16". The panel has a 1-1/2" tall snap lock standing seam rib. The 24 Ga. Steel material is ASTM A 792 AZ55, Grade 50, with a minimum 50 ksi yield point with optional painted finishes. Panel Rollformer Schleich Quadro-Plus Rollformer.

**Limitations:**

- **Roof Decking:** The 1-1/2" Snap Lock metal roofing panels must be installed over minimum 7/16" OSB or 15/32" plywood APA rated roof decking.
- **New Roof Deck Attachment:** The roof decking must meet or exceed the uplift requirements of the International Residential Code or International Building Code and must be installed as required for resistance to wind loads.
- **Design Wind Pressures:** The design pressure uplift load resistance must be as specified in Table 1 and Table 2.
- **Roof Slope:** The metal roofing panels must not be installed on roofs with a roof slope less than 3:12.

**TABLE 1**

Attachment of minimum 24 Ga. 1-1/2" Snap Lock metal roofing panels to minimum 7/16" OSB decking.

Design Wind Pressure (psf)	Panel Gauge	Clip Fastener	Panel Clip Spacing
-41.7	24 Ga. Steel	Two #10-12 Type A	24"
-52.5	24 Ga. Steel	Two #10-12 Type A	12"

**Table 2**

Attachment of minimum 24 Ga. 1-1/2" Snap Lock metal roofing panels to minimum 15/32" plywood decking.

Design Wind Pressure (psf)	Panel Gauge	Clip Fastener	Panel Clip Spacing
-41.7	24 Ga. Steel	Two #10-12 Type A	24"
-52.5	24 Ga. Steel	Two #10-12 Type A	12"

**Installation over an Existing Roof Covering:** Installation over an existing roof covering is limited to a maximum of one existing layer of composition shingles, wood shingles or shakes, built-up roofing, or roll roofing applied over an existing, solid roof deck of minimum 7/16" OSB or 15/32" plywood. Note: Inspection of the existing roof deck must be made prior to the installation of the roof panels. The condition of the existing roof deck must be acceptable to receive the metal roofing panels before the metal roofing panel installation proceeds. NOTE: Underlayment is not required to be installed.

#### INSTALLATION INSTRUCTIONS

**General:** The 1-1/2" Snap Lock metal roofing panels must be installed in accordance with the manufacturer's recommended installation instructions and this evaluation report.

**Panels:** The metal roofing panels must be secured to the roof covering as specified in Table 1 & Table 2 and in accordance with this section.

**Underlayment:** A minimum of one layer of No. 30 (Type II) asphalt felt or equivalent must be used between the panel and roof deck. The underlayment used must comply with one or more of the following: ASTM D 226, ASTM D 4869, or ASTM D 1970. The underlayment must be installed with 6" side laps and 3inch end laps. The underlayment must be applied with corrosion-resistant fasteners in accordance with the manufacturer's installation instruction. Fasteners must be applied along the overlaps not farther apart than 36 inches on center.

**Attachment of Metal Roof Panels to the Roof Deck:** The 1-1/2" Snap Lock metal roofing panels must be secured to the roof deck as follows:

- **Roofing Panels to OSB or Plywood Deck:** The panels must be installed using a fixed clip with two No. 10-12 x 1" long Pancake Type A. The fasteners must be long enough to ensure a minimum penetration of 1/4" below the roof deck. (Note: If the metal roofing panels are installed over an existing roof covering, then the fastener length must be increased so that the fasteners are long enough to ensure a minimum penetration of 1/4" below the existing plywood roof decking.) The required size and quantity of fasteners as well as the maximum allowable spacing of the fasteners is specified in Table 1 & Table 2.

**Panel Clip:** One piece fixed clip. 18 Ga. x 3-1/2" long Galvanized steel.

**Panel Seam:** The panel is a snap lock seam.

**Panel Ends and Edges:** As required by the manufacturer.

**Trims, Closures, and Accessories:** Components, such as the eave trim, rake trim, ridge trim, hip trim, and valley trim must be installed as required by the manufacturer.

**Alternative Fasteners:** Alternative fasteners of equal or greater strength may be substituted.

**Note:** Keep the manufacturer's installation instructions available on the job site during installation.