Standard Metal Roof Panel Profiles

These are the different names and dimensions for the most common types of metal roof profiles you may encounter. Since every roof is different, we always recommend verifying the dimensions for any commercial metal roof panel before committing to any given profile measurement. Please contact Technical Services for further assistance.

AG Profile

Typically 36" wide with 5" - ¾" ribs

Stretch factor = 1.10 X total roof area
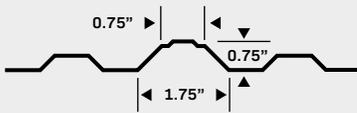
Batten Profile

Typically 16" wide

Stretch factor = 1.25 X total roof area.
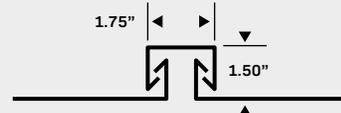
R Profile (PBR)

Typically 36" wide with 4" - 1 & ¼" ribs

Stretch factor = 1.15 X total roof area
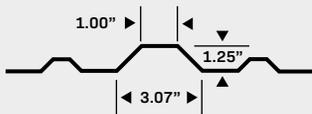
HI R Profile

Typically 36" wide with 4" - 1 ½" ribs

Stretch factor = 1.15 X total roof area
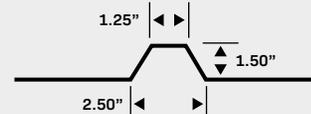
Single Lock Profile

12" wide stretch factor = 1.30 X total roof area

16" wide stretch factor = 1.25 X total roof area

18" wide stretch factor = 1.225 X total roof area

24" wide stretch factor = 1.20 X total roof area
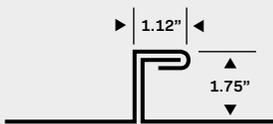
Snap Lock Profile

12" wide stretch factor = 1.30 X total roof area

16" wide stretch factor = 1.20 X total roof area

24" wide stretch factor = 1.10 X total roof area
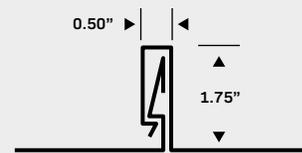
Trapezoidal Standing Seam Profile

Typically 24" wide with 2" - 3" ribs

Stretch factor = 1.20 X total roof area
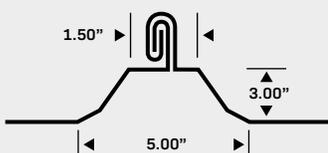
Encounter a Non-Standard Profile?

See reverse side for how to determine custom stretch factor.

How to Determine Your Own Custom Stretch

Just because a building is 2500 sq. ft. doesn't mean its metal roof is 2500 sq. ft. The metal roof's surface area is actually much larger than the building itself. It's possible to encounter a non-standard profile, so you may need to calculate your own stretch factor. In order to determine stretch factor, you'll need measuring tape, a marker, and a calculator.

36 in.
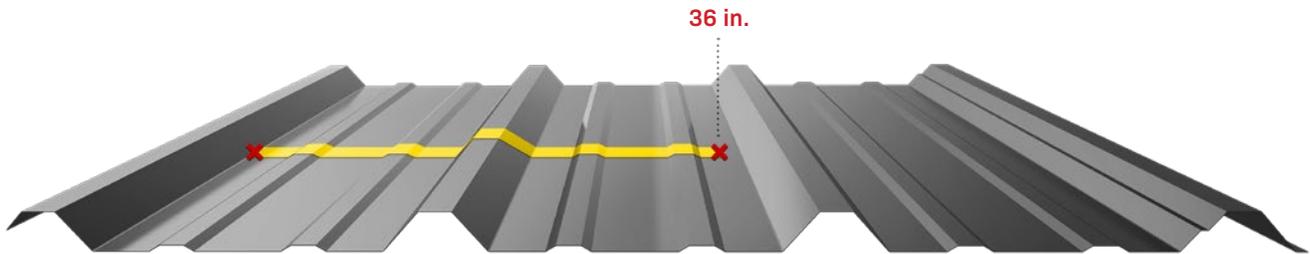
Mark at the starting point of your measuring tape. Press the tape firmly along the panels until you've reached the end and make another mark at the 36" point.

34 in.
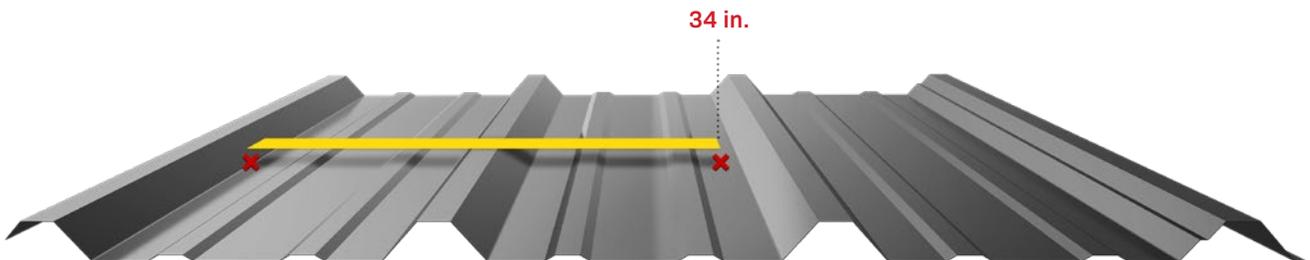
Next, make a straight line measurement from the two points you've just marked and record the length.

(Actual Width ÷ Stretched Width = Stretch Factor) x Total Roof Area = Total Coating Area

Now divide your actual panel width (36 inches) by your stretched width (34 inches)—this will give you the stretch factor. In this case, the stretch factor is 1.06 or 6%. Multiply the stretch factor by the total roof area and this will give you the total area of the roof that needs to be coated—ultimately informing you how much roof coating material you will need for the job. If this hypothetical roof is 2500 sq. ft., multiply 1.06 by 2500 to get a total coating area of 2650 sq. ft.

NOTE: This does not include the waste factor.