

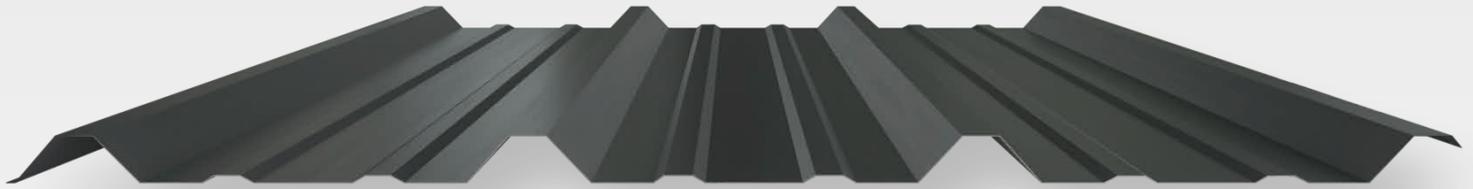
PBR

PBR panels offer a cost-effective yet premium-looking solution for various construction needs. Their versatility in application across residential, commercial, and agricultural settings, both indoors and outdoors, is a significant advantage. The PBR panels, with their exposed fasteners and durable R panel design, are an excellent solution for roofing and siding applications.

One of the standout features of PBR panels is their ability to adapt to different aesthetics. Depending on the chosen color or finish, they can achieve either a modern or rustic appearance, allowing for flexibility in design preferences.

The durability of PBR panels against harsh weather conditions is key. Their high-performing characteristics enable them to withstand tough weather elements, ensuring reliability. Compared to traditional roofing materials, PBR panels are built to withstand rain, wind, and other environmental conditions for years, ensuring reliable protection and a dry interior.

PBR



MATERIAL SPECIFICATIONS

Available Gauges: 26ga, (Inquire for 24ga)

Weight: 2.67lbs/LnFt (26ga)

Substrate: Grade 80 (26ga)

Minimum Slope: 1:12. Under 3:12 requires 1" Butyl sealant and stitch screws installed 12" up the panel at side laps.

TRIM SPECIFICATIONS

Warranties: Weather XL (26ga), Fluoropon (PVDF) (24ga)

Testing: UL 580 Wind Uplift (Class 90), UL 2218 Class 4 Hail Impact, UL 790 Class A Fire Rating

Notes: It is the responsibility of the builder to ensure that purlins are adequately spaced to meet specific engineering requirements.

Strength Calculations based on the 2016 AISI Section "North American Specification for the Design of Cold-formed Steel Structural Members." Allowable loads are applicable for uniform loading and spans without overhangs. LIVE LOAD/DEFLECTION: load capacities are for those loads that push the panel against its support. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/180 under strength-level loads. NEGATIVE WIND LOAD CAPACITIES: are for those loads that pull the panel away from its supports. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading. PANEL PULL-OVER AND SCREW: pull-out capacity must be checked separately using the screws employed for each particular application when utilizing this load chart. Effective yield strength has been determined in accordance with section A3.1.1 of the 2012 NAS specification. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data. This material is subject to change without notice; please contact Metal America for most current data.

COLOR OPTIONS

Available Materials: Painted materials featuring corrosion-resistant metallic finish.

Paint Systems: Weather XL (26ga), Fluoropon (PVDF) (24ga)

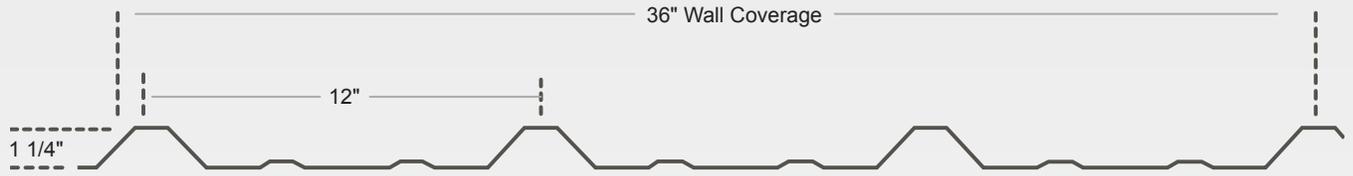
OPTIONS

Fastener Application: Screws are to be applied next to every rib and then up the panel, no more than 5'0" apart. On low slope roofs, Mastic Tape must be applied between the panel side laps with Stitch Screws installed every 1'0" up the panel. At the eave or end laps, a double screw pattern should be used with screws applied to both sides of the rib.

Note: It is the responsibility of the builder to ensure that purlins are adequately spaced to meet specific engineering requirements.

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the North American Specification for the Design of Cold-Formed Steel Structural Members published by the American Iron and Steel Institute to facilitate design. The Specification contains the design criteria for cold-formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project job site in order to determine environmental loads. Further information or guidance regarding cold-formed design practices is desired, please contact the manufacturer.

PANEL PROFILE



SCREW PATTERN



EAVES & END LAPS

