

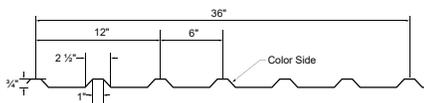
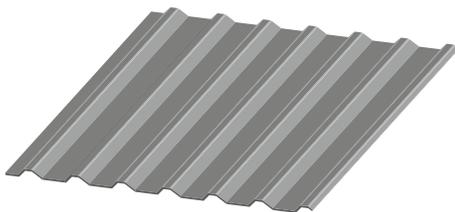


EXPOSED FASTENING SYSTEM

PBU

The PBU panel is an exposed fastener system that can be used for both roof and wall applications. PBU can be installed directly over purlins or joists. PBU offers the versatility of being used in both vertical and horizontal wall applications to give designers a contemporary appearance for their building project.

PBU is recommended for 1:12 or greater roof slopes.



PRODUCT SPECIFICATIONS

Applications: Roof and Wall

Coverage Widths: 36" Wall,
36" Roof

Rib Spacing: 6" on Center

Rib Height: 3/4"

Slope: Minimum 1:12

Panel Attachment: Exposed
Fastening System

Gauges: 26 (standard);
29, 24, 22 (optional)

Finishes: Smooth (standard);
Embossed (optional)

Coatings: Galvalume® Plus,
Signature® 200, Signature® 300

PBU - EXPOSED FASTENING SYSTEM

CATEGORY	CHARACTERISTIC	TEST METHOD	PURPOSE	RESULT
ENVIRONMENTAL	Air Leakage Through Roof Panel Joints	ASTM E283	Determines the air leakage rates of exterior windows, curtain walls, and doors under specified air pressure differences across the specimen	0.0067 cfm/ft ² at 1.57 psf static pressure
	Water Penetration Through Roof Panel Joints	ASTM E331	Determines the resistance of exterior windows, curtain walls, skylights, and doors to water penetration when water is applied under uniform static air pressure difference	No uncontrolled water penetration through the panel joints at a static pressure of 6.24 psf
	Impact Resistance	UL 2218	Determines Impact Resistance of prepared Roof Covering Materials	Class 4 Rating
FIRE RESISTANCE	Room Fire Performance	UL 790	Standard for Standard Test Methods for Fire Tests of Roof Coverings	See Class A Fire Rating Data Sheet
	Room Fire Performance	UL 263	Standard for Fire Tests of Building Construction and Materials. Requires installation over a non-combustible substrate to qualify for Class A rating. Installation over a combustible substrate qualifies for Class C rating.	For use in Design Nos. P225, P227, P230, P237, P265, P268, P508, P510, P512, P701, P711, P720, P722, P726, P731, P734, P801, P815, P819.
STRUCTURAL	Uplift Resistance	AISI S100	Provides a standard procedure to evaluate or confirm structural performance under uniform static air pressure difference	See Section Properties and Allowable Load Table Section
	Gravity Loads	AISI S100	North American Specification for the Design of Cold-Formed Steel Structural Members	See Section Properties and Allowable Load Table Section
	Seismic	UES Evaluation Report	Compliance with 2022 California Building Code section 104.11 Alternative Methods of Construction.	Evaluated for use as components of walls and horizontal or sloped roof systems. Approved for use in Seismic Force Resisting Systems (shear walls).
ROOF LISTINGS	Roof Performance - Underwriters Laboratories	UL 580	Determines the uplift resistance of roof assemblies consisting of the roof and roof coverings materials	Class 90 Rating - Construction Number 30 Class 30 Rating - Construction Number 12 Class 60 Rating - Construction Number 12
	Roof Performance - Florida Approval	UL 580 FM 4471 UL 790	Florida product approval is the approval of products and systems, which comprise the building envelope and structural frame, for compliance with the structural requirements of the Florida Building Code.	See FL# 42382.13
	Roof Performance - Texas Department of Insurance	UL 580	TWIA provides windstorm and hail insurance in areas exposed to hurricanes and currently provides windstorm and hail coverage in the following 14 "first tier" Texas coastal counties: Aransas, Brazoria, Calhoun, Cameron, Chambers, Galveston, Jefferson, Kenedy, Kleberg, Matagorda, Nueces, Refugio, San Patricio and Willacy.	TDI 3rd Party Evaluation FL 42382.13

Descriptions and specifications contained herein were in effect at the time this publication was approved for printing. In a continuing effort to refine and improve products, Metallic Building Systems reserves the right to discontinue products at any time or change specifications and/or designs without incurring obligation. Projects should be designed to conform to applicable building codes, regulations and accepted industry practices. To ensure you have the latest information available, please inquire or visit our website: metallic.com.



PHONE 866-521-7521 EMAIL SALES@METALLIC.COM

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