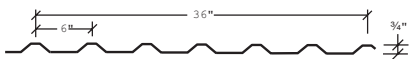
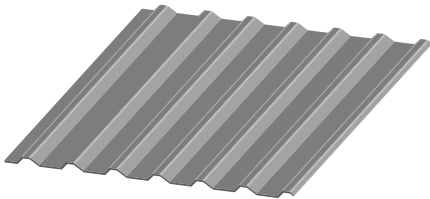


EXPOSED FASTENING SYSTEMS

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 applications to give designers a contemporary appearance for their building project. PBU is recommended for 1:12 or greater roof slopes.



Features and Benefits:

- Numerous UL 580 ratings are available, as well as UL 790, Class A for external fire, roof assembly for UL 263 for internal fire and the UL 2218 Class 4 impact rating.
- PBU carries Florida approval.

Product Specifications

- **Applications:** Roof and Wall
- **Coverage Widths:** 36"
- **Rib Spacing:** 6" on center
- **Rib Height:** $\frac{3}{4}$ "
- **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

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MBCT
Metal Roof and Wall Systems

EXPOSED FASTENING SYSTEM

PBU

CATEGORY	CHARACTERISTIC	TEST METHOD	PURPOSE	RESULT
ENVIRONMENTAL	Air leakage	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	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	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
ROOF LISTINGS	Roof Performance - Underwriters Laboratories	UL 580	Determines the uplift resistance of roof assemblies consisting of the roof and roof covering materials	Class 90 Rating - Construction Number 12 and 39.
	Roof Performance - Florida Approval	UI 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# 11868.2
	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.	See RC-408