



EXPOSED FASTENING SYSTEMS

PBU

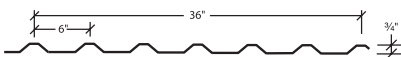
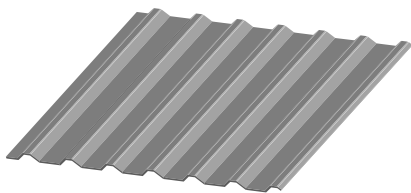
The PBU panel is an exposed fastener system that can be used for both roof and wall applications. PBU can be installed directly over purlins or joists. PBU offers the versatility of being used in both vertical and horizontal applications to give designers a contemporary appearance for their building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





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| 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. 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 |
| 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 12 and 39. |
| | 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# 11819.6 |
| | 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 |

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