

PBR ROOF AND WALL PANEL

DESCRIPTION:

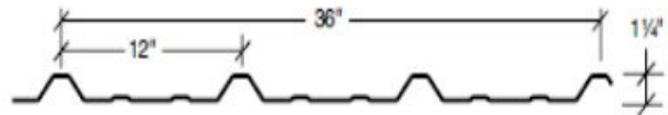
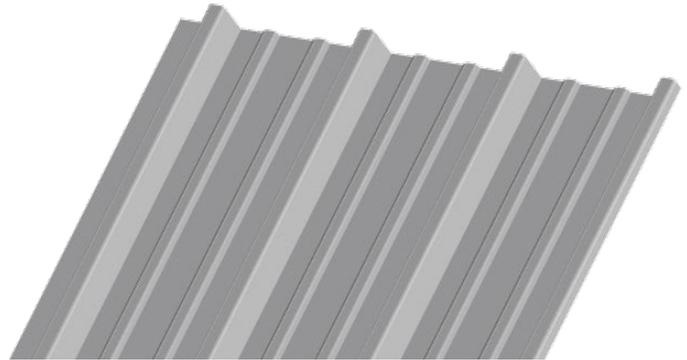
The PBR Roof and Wall Panel ("PBR") is commonly used for a wide variety of architectural, agricultural, commercial and industrial applications. PBR is a structural panel and an exposed fastener panel that can be used for both roof and wall applications. The minimum roof slope for PBR is ½:12.

FEATURES:

- 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.
- PBR carries Florida approval, Dade County ratings and FM 4471 approval standard for Class 1 panel roofs.

SPECIFICATIONS:

- Applications: Roof and Wall
- Coverage Widths: 36"
- Rib Spacing: 12" on center
- Rib Height: 1-¼"
- Minimum Slope: ½:12
- Panel Attachment: Exposed Fastening System
- Gauges: 26 (standard); 29, 24, 22 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coatings: Galvalume® Plus, Signature® 200, Signature® 300



Product samples, detail sheets, color chips, and color chart are available for your submittal package. For assistance with questions or submittals, contact your local Sale Representative or call Duro-Last.

| Category | Characteristic | Test Method | Purpose | Result |
|-----------------|--|---------------------------------|---|---|
| ENVIRONMENTAL | Air Leakage Through Roof Panel Joints | ASTM E1680 | Determines the air leakage characteristics of metal roof panels under specified air pressure differences at ambient conditions | 0.005 cfm/ft ² at 1.57 psf static pressure 0.006 cfm/ft ² at 6.24 psf static pressure |
| | Water Penetration Through Roof Panel Joints | ASTM E1646 | Determines the resistance to water penetration of metal roof panels under uniform static air pressure difference | No uncontrolled water penetration through the panel joints at a static pressure of 20.00 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 FM Global | FM 4471 | Sets performance standards for panel roofs including uplift resistance | See FM Engineering Tech Bulletin |
| | See Section Properties and Allowable Load Table Section* | UL 580 | Determines the uplift resistance of roof assemblies consisting of the roof and roof covering materials | Class 90 Rating-Construction Number 30, 54, 79, 104, 112, 161, 167, 184, and 542 |
| | Roof Performance - Florida Approval | ASTM E1592 FM 4471 UL 790 | Florida product approval is the approval of products and systems, which comprise the building envelope and structural requirements of the Florida Building Code | See FL #11868.1 |
| | Roof Performance - Texas Department of Insurance | ASTM E 1592 | 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-358 and RC-393 |