

**Exposed**  
FASTENER **PANELS**



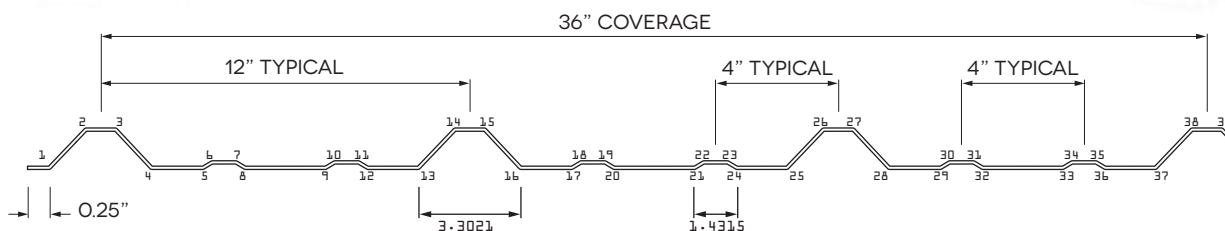
AIA



**PBR-PANEL**

# PBR-PANEL

EXPOSED FASTENER SYSTEMS



The **PBR Panel** is commonly used for a wide variety of architectural, agricultural, commercial and industrial applications. **PBR Panels** are structural panels with exposed fasteners used for roof and wall systems. **PBR Panels** are designed, and effectively used for industrial, commercial, and steel-frame buildings.

## Features

- 26 or 24 GA steel
- Colors available on standard, premium and metallic.
- Coverage 36".
- Factory made.
- UL Construction Numbers: TGKX.79, TGKX.104, TGKX.112, TGKX.161, TGKX.167, TGKX.184, TGKX.542.
- Uplift resistance of prepared roof-covering materials is UL2218 Class 90.
- Impact resistance of prepared roof-covering materials UL2218 Class 4.
- Fire tests of roof coverings UL790. External fire exposure.
- TDI Texas approved.

## Product Specifications

- **Applications:** Roof and Wall.
- **Coverage Width:** 36"
- **Minimum Slope:** 1/2:12
- **Panel Attachment:** Exposed Fastener System.
- **Rib Height:** 1.25"
- **Rib Spacing:** 12" on center.
- **Gauges:** 26 (standard); 22,24,29 (optional)
- **Finishes:** Smooth.
- **Coatings:** Galvalume®, Durapon 70®, Ceranamel®.



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# PBR-PANEL



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	0.0035 cfm/ft <sup>2</sup> at 1.57 psf static pressure 0.007 cfm/ft <sup>2</sup> at 6.24 psf static pressures
	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 12.00 psf
	Impact Resistance	UL 2218	Determines Impact Resistance of prepared Roof Covering Materials	CLASS 4 RAITING
FIRE RESISTANCE	Room Fire Performance	UL 790	Standard for Standard Test Methods for Fire Tests of Roof Coverings	CLASS A FIRE RATING
	Room Fire Performance	UL 263	Standard for Standard Test Methods for Fire Tests of Roof Coverings	For use in Design Nos. TGKX.79, TGKX.104, TGKX.112, TGKX.161, TGKX.167, TGKX.184, TGKX.542.
STRUCTURAL	Uplift Resistance	ASTM E 1592	Provides a standard procedure to evaluate or confirm structural performance under uniform static air pressure difference	TEST C 83.2 PSF TEST D. -234.1 PSF.

Design Wind Pressure	Purlins	Attachment of Panel to Steel Purlin
-83.2 psf	16 gauge steel purlin 5'0" on center	Fasteners @ 12"-12"-12" 5'0" on center
-234.1 psf	16 gauge steel purlin 2'0" on center	Fasteners @ 12"-12"-12" 2'0" on center



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