

# PBR • R • IR PANEL



Your Roof. For Life!  
On Time and Complete!™



Contact your sales representative for more information.



PBR Panel



R Panel



IR Panel



Coverage 36"

## Description

Designed for industrial, commercial, and steel-frame building applications, the "R" family of panels has the strength to perform on roof pitches as low as 1:12 and on spans up to five feet. The R and IR panels are designed for sidewall applications while the PBR panel has an added purlin bearing leg to provide the necessary support for roofing applications.

## Specifications

- Exposed fastener panel for roof and wall applications.
- 1:12 minimum recommended roof pitch.
- Suitable for solid decking or open framing.

## Substrates and Coatings

- 26 and 24 gauge high strength steel.
- Anti-corrosion AZ50 Galvalume coating for painted and AZ55 for unpainted steel.
- 26 ga. available in 45 Year Siliconized Modified Polyester Paint System.
- 24 ga. available in PVDF (Kynar 500 or Hylar 5000) Paint System.

## Finish Options

- Energy Star Certified Colors Available
- Unpainted Galvalume

## Approvals and Certifications

- Metal Construction Association Certified
- Florida Building Code Approved
- Energy Star Certified
- Texas Department of Insurance Approved
- Highest UL Ratings for Wind Uplift, Fire and Impact Resistance
- No Coastal Set Back



## CERTIFICATIONS & TESTING - PBR Panel

- UL 580 Uplift UL 90 Construction #30, 79, 161, 167, and 638
- UL 790 Fire Resistance Class A
- UL 2218 Impact Resistance Class 4

## Florida Building Code Approved:

- 20484.8 R1 - 26 gauge over 15/32" plywood
- 9555.6 R4 - 26 gauge over 16 gauge structural steel
- 9557.3 R4 - 26 gauge over 16 gauge structural steel (Wall Panel)

## ALLOWABLE UNIFORM LOADS PER SQUARE FOOT - R and PBR Panels (IR Panel used on side walls only)

Maximum purlin spacing for roof 5' on center and maximum girt spacing for sidewall 8' on center. Place fasteners in the pan of panel for best results. (Three spans or more)

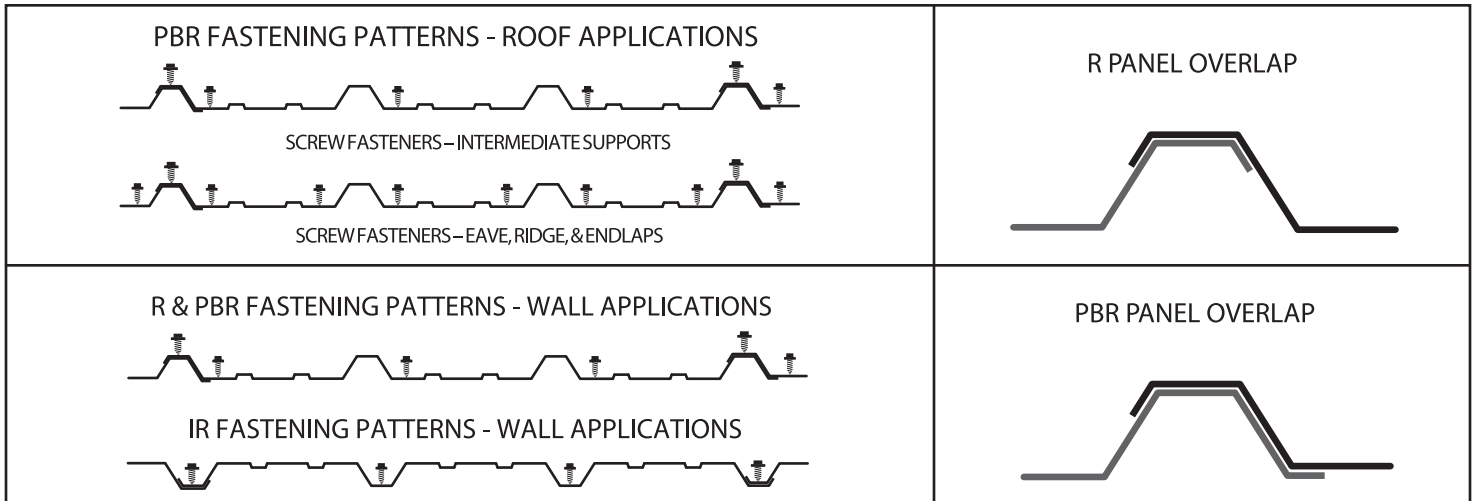
SPAN (INCHES)	LIVE LOAD (lb/ft <sup>2</sup> )							WIND LOAD (lb/ft <sup>2</sup> )						
	24"	30"	36"	42"	48"	54"	60"	24"	30"	36"	42"	48"	54"	60"
26 Gauge	351	224	156	114	87	69	56	271	174	120	88	67	53	43

### NOTES:

1. Theoretical allowable loads are based on section properties and allowables calculated in accordance with 2001 AISI Specifications.
2. Theoretical allowable loads are based on three or more uniform spans.
3. For roof panels, deduct self weight for actual 'live load' capacity of the panel.
4. These loads are for panel strength. Frames, purlins, decks and fasteners must be designed to resist all loads imposed on the panel.
5. Check local building codes if panel testing is required.

## RECOMMENDED FASTENING PATTERN FOR 1-1/2" SCREWS

## PANEL OVERLAP



## STORAGE

If the panels are not to be used immediately, store inside in a well ventilated and dry location. Condensation or other moisture can form between the sheets during storage causing water stains or white rust which detract from the appearance of the product and may affect the product's useful life. Trapped moisture between sheets of painted metal can cause white rust to form underneath the paint. This can cause the paint to flake off of the panel immediately or several years later. To prevent white rust and staining, the following precautions should be taken:

1. Break the shipping bands on the metal and wipe the sheets dry.
2. Store metal on end or on an incline of at least 8" with support bands underneath to prevent sagging.
3. Fan sheets slightly at the bottom to allow for air circulation.
4. Keep the sheets off of the ground with an insulator such as wood.

Any outdoor storage is at the customer's own risk. If outdoor storage cannot be avoided, protect the metal using a canvas cover or waterproof paper. Never cover the metal with plastic as this will cause condensation to form.

**BEFORE BEGINNING INSTALLATION OF THIS PRODUCT, READ OUR INSTALLATION INSTRUCTIONS.**

\*\* For more information, call (888) MTL-ROOF or visit our website at [www.unioncorrugating.com](http://www.unioncorrugating.com) \*\*