

# DELTA METALS

## CUSTOM ROOF PANELS



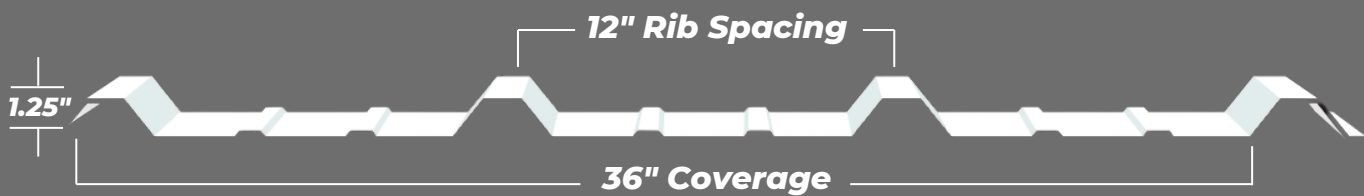
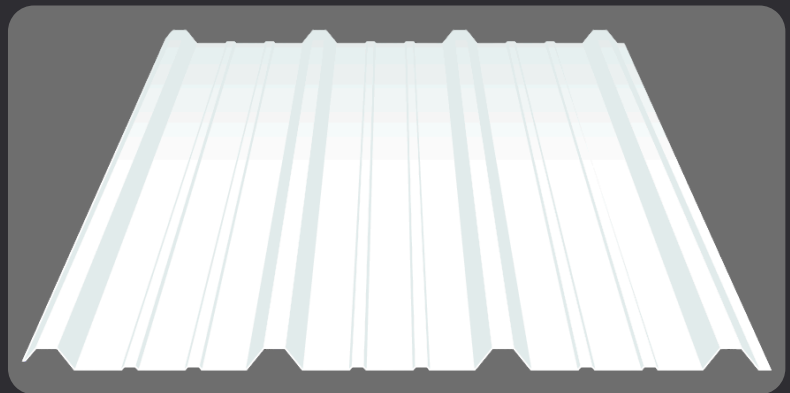
### PBR Panel

PBR Panel is a sturdy, commercial grade product that can free-span between purlins up to 5 feet, making it a standard workhorse for many metal buildings and commercial facilities. It is sold only in 26 gauge metal and color option may vary. Call ahead to make sure your desired color is available.

**26**  
Gauge

**1.25"**  
Rib Height

RECOMMENDED  
**1:12**  
PITCH  
AND ABOVE  
PER IBC\*



Manufactured with a Siphon Groove to minimize leaks and direct water down the panel.

Wide fastening surface for easy installation and defined panel ribs for clear screw placement.

Unique lap groove that hides the overlap providing a smooth, clean appearance.

# PBR Roof Panel

Allowable Uniform Loads In Pounds Square Foot

## 26 GAUGE THICKNESS

SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-SPAN	NEGATIVE WIND LOAD	133.48	75.08	48.05	33.37	24.52	18.77	14.83
	LIVE LOAD/DEFLECTION	119.08	52.22	26.74	15.47	9.74	6.53	4.58
2-SPAN	NEGATIVE WIND LOAD	114.41	66.59	43.33	30.37	22.44	17.24	13.66
	LIVE LOAD/DEFLECTION	105.60	71.09	46.37	32.55	24.07	18.51	13.88
3-SPAN	NEGATIVE WIND LOAD	138.49	81.62	53.46	37.61	27.86	21.95	17.00
	LIVE LOAD/DEFLECTION	120.00	86.91	57.11	34.86	21.95	14.71	10.33
4-SPAN	NEGATIVE WIND LOAD	130.70	76.70	50.12	35.22	26.06	20.05	15.89
	LIVE LOAD/DEFLECTION	115.50	81.75	53.58	37.71	23.77	15.93	11.18



# PBR Wall Panel

Allowable Uniform Loads In Pounds Square Foot

## 26 GAUGE THICKNESS

SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-SPAN	NEGATIVE WIND LOAD	133.48	75.08	48.05	33.37	24.52	18.77	14.83
	LIVE LOAD/DEFLECTION	119.08	69.83	44.69	31.04	22.80	17.46	13.79
2-SPAN	NEGATIVE WIND LOAD	114.41	66.59	43.33	30.37	22.44	17.24	13.66
	LIVE LOAD/DEFLECTION	105.60	71.09	46.37	32.55	24.07	18.51	14.66
3-SPAN	NEGATIVE WIND LOAD	138.49	81.62	53.46	37.61	27.86	21.95	17.00
	LIVE LOAD/DEFLECTION	120.00	86.91	57.11	40.25	29.85	22.99	18.24
4-SPAN	NEGATIVE WIND LOAD	130.70	76.70	50.12	35.22	26.06	20.05	15.89
	LIVE LOAD/DEFLECTION	115.50	81.75	53.58	37.71	27.93	21.50	17.05

## SPECIFICATIONS

Available Gauges: **26 Gauge**

Testing:



UL 790 Class A Fire Rated  
UL 2218 Impact Resistant  
UL 580 Uplist (Class 90)

Steel Thickness: **26 G - .0185"**

Paint System:

SHERWIN-WILLIAMS.  
Coil Coatings  
WeatherXL  
SMP/Kynar

Warranty:

40 Year Lifetime Limited  
Paint Adhesion  
30 Year Chalk and Fade

Rust Protection Substrate:

Galvalume AZ50

Delta Metals is neither partially nor solely responsible for improper installation OR defects as a result of installation.

## Application Details

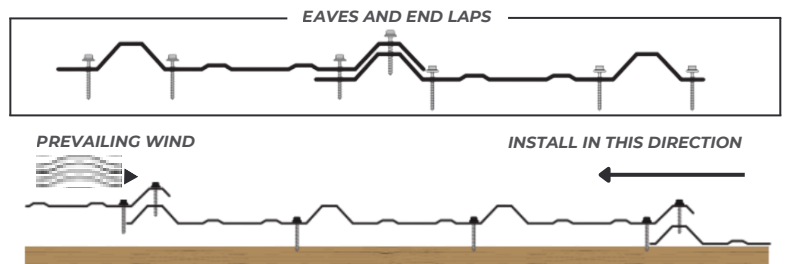
### Fastener Guide:

- We Recommend using our
  - #10 Wood Binder screws with dimensional lumber, plywood sheeting, or OSB. (7/16" minimum thickness for decking materials.)
  - #12 MTM (Metal to Metal) self-tapping screws (to be used with structural steel up to 3/16" in thickness.)

### Fastener Application:

- Screws are to be applied next to every rib and then up the panel with no more than 5' between each row of screws.
- If the roof is less than a 2/12 pitch, we recommend using mastic tape between the panel side flaps with stitch screws applied every 1' up the panel. Additionally, a double screw pattern should be used at the eave or end laps with screws applied to both sides of the rib.

### Screw Patterns:



**Please Note:** It is the responsibility of the builder to ensure that purlins are adequately spaced to meet specific engineering requirements.

1796 Hwy 50 Delta, CO 81416 (970) 874-7070



SHERWIN-WILLIAMS.  
Coil Coatings