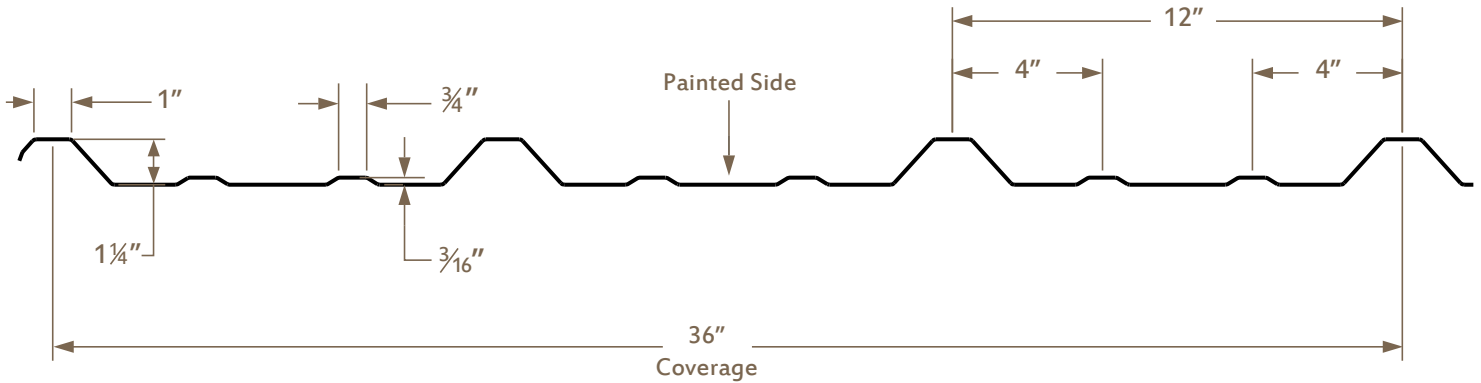


**METALLION  
INDUSTRIES**

# PBR

Roof and Wall Panel



**COMMERCIAL**

**EXPOSED  
FASTENERS**

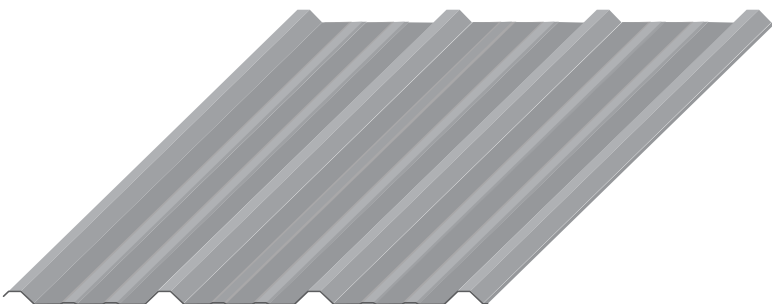
**36" COVERAGE**

**MINIMUM SLOPE  
1/2 :12**

**OPEN FRAMING**

## PANEL DESCRIPTION

- Applications: Industrial, Commercial, and Agricultural
- Limited 40-year warranty paint
- Finishes 26 ga: 10 standard SMP colors and Galvalume®
- Finishes 24 ga: 10 standard PVDF colors
- Corrosion Protection on Substrate:
  - AZ-50 (ASTM A792) for painted Galvalume®
  - AZ-55 (ASTM A792) for unpainted, acrylic coated, Galvalume®
  - G-60 (ASTM A653) for painted Galvanized
  - G-90 (ASTM A653) for PVDF painted 24 gauge
- Sheet lengths: 1' to 50'-0" in one inch increments
- Polycarbonate and fiberglass light panels available in PBR profile
- For color availability, cool roof specs, and other panel info, please see our website: [www.metallionindustries.com](http://www.metallionindustries.com)



## TESTING DATA



- UL 2218 Impact Resistance
- UL 790, 263 Fire Resistance
- UL 580 Uplift Resistance

### FASTENER INFORMATION

#### Panel Fastening:

Fasten Panel to Wood with #9-15 Sharp Point Screw

Fasten Panel to Steel with #12-14 Drill-Tip Screw

Screw thread should protrude no less than 1/4" through the underlayment.

#### Lap Fastening:

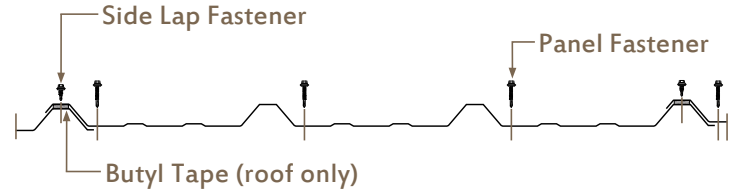
Apply mastic to underlapping rib.

Fasten Lap with 1/4" #14 x 7/8 Lap Tek

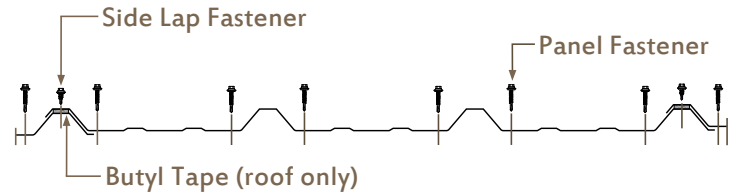
Stitch Screw (every two feet up the panel)

### PANEL FASTENING

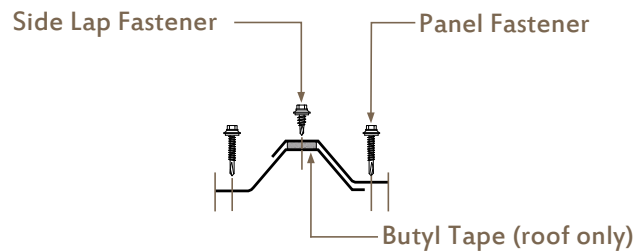
#### Field of Panel



#### Ends of Panel



### LAP FASTENING



PBR Allowable Loads (lbs/ft <sup>2</sup> ) per span			Wind Load Factor = 1.0 (not increased 33%)										
Ga	Span	Load Type	2'	2.5'	3'	3.5'	4'	4.5'	5'	5.5'	6'	6.5'	7'
26	Single	Wind Load (Uplift)	257	164	114	83	64	50	40	33	28	24	20
		Live Load Deflection	295	166	107	78	57	42	33	26	21	18	15
	Double	Wind Load (Uplift)	199	132	94	69	53	42	34	29	24	20	17
		Live Load Deflection	575	363	134	99	76	60	48	37	30	24	20
	Triple	Wind Load (Uplift)	239	160	115	86	66	53	43	36	30	25	22
		Live Load Deflection	448	285	146	108	84	67	53	42	34	28	23

26 gauge has .0184" min Substrate Thickness, 80 KSI Tensile, and Weighs about .9 lbs per Sq. Ft.

Ga	Span	Load Type	2'	2.5'	3'	3.5'	4'	4.5'	5'	5.5'	6'	6.5'	7'
24	Single	Wind Load (Uplift)	294	196	135	98	75	60	48	39	34	27	24
		Live Load Deflection	285	183	125	91	70	56	45	37	31	26	22
	Double	Wind Load (Uplift)	268	178	130	96	74	59	48	39	33	29	24
		Live Load Deflection	274	180	125	92	71	57	46	38	31	27	23
	Triple	Wind Load (Uplift)	321	213	149	110	85	68	54	46	38	32	28
		Live Load Deflection	334	222	155	115	89	71	57	47	40	34	29

24 gauge has .0236" min Substrate Thickness, 50 KSI Tensile (UL), Panel Width: 36", ASTM A653

1. Deflection loads are based on a maximum deflection ration of L/180 of span

2. Loads are averages from similar products with design loads meeting AISI specifications

**Oil Canning:** Flat metal surfaces can display waviness, commonly referred to as "oil canning", which is an inherent characteristic of steel. "Oil canning" is not a defect and therefore not an acceptable reason for rejection.