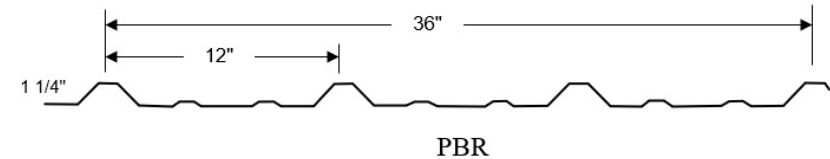
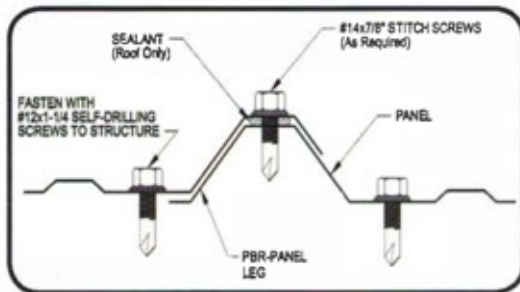


# R PANEL

PBR panels are ideal for all locations including roofs, walls, interior liners, fascias, soffits and most other locations, PBR-panel features a purlin bearing leg to assure long term performance of lap fasteners metal to metal panel joinery connections when installed properly with the correct sealants. The rugged versatility of the 1 1/4" deep with major ribs at 12" on center panel coupled with the two (2) minors ribs between the larger rib design allows the product to perform well in most applications while excelling in others, The PBR panel is available in a thirteen (13) standard S-P (Weather X) 40 year colors, fourteen (14) fluoro-polymer (kynar) - Premium (35 year) Colors and various gauges. This is the through fastened panel of choice for designers, owners, and builders.



- 36" Wide Panel Coverage With Positive Fastening
- Excellent For Roof, Wall, Soffit and Parapet Backer Applications
- Purlin Bearing Rib Provides Superior Weather Resistance
- Industry Standard Commercial and Residential Profile
- Can Used On Slopes As Low As 1:12 With Field Applied Mastic
- Texas Department Of Insurance Windstorm Tested #RC-433
- UL Class 90 Wind Uplift Rated Over Multiple Substrates
- UL 2218 Class 4 Impact (Hail) Resistance Rating
- UL 263 Class A One-Hour Fire Resistance Rated
- Matching Light Transmitting Panels Are Available
- Available In Several Gauges, Finishes And Colors

## SECTION PROPERTIES

			PANEL TOP IN COMPRESSION			PANEL BOTTOM IN COMPRESSION		
Panel	Fy	Weight	Ixe	Sxe	Maxo	Ixe	Sxe	Maxo
GAUGE	(KSI)	(PSI)	(IN. 4/FT.)	(IN. 3/FT.)	(KIP-IN.)	(IN. 4/FT.)	(IN. 3/FT.)	(KIP-IN.)
26	80	0.85	0.0378	0.0387	1.394	0.0345	0.0458	1.648
24	50	1.11	0.0560	0.0593	1.777	0.0467	0.0603	1.808
22	50	1.38	0.0757	0.0817	2.446	0.0600	0.0757	2.274

	SPAN TYPE	LOAD TYPE	SPAN IN FEET									
			3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5
<b>ALLIANCE R-PANEL ALLOWABLE LIVE LOADS - ALL LOADS IN POUNDS PER SQUARE FOOT</b>												
26 Gauge (fy=80 ksi)	SINGLE	STRESS	103.3	75.9	58.1	45.9	37.2	30.7	25.8	22.0	19.0	16.5
		DEFLECTION	103.3	75.9	58.1	45.9	37.2	29.8	22.9	18.0	14.4	11.7
	2-SPAN	STRESS	122.1	89.7	68.7	54.3	44.0	36.3	30.5	26.0	22.4	19.5
		DEFLECTION	122.1	89.7	68.7	54.3	44.0	36.3	29.8	23.5	18.8	15.3
	3-SPAN	STRESS	142.6	104.8	80.2	63.4	51.3	42.4	35.7	30.4	26.2	22.8
		DEFLECTION	142.6	104.8	80.2	63.4	51.3	42.4	35.7	30.4	26.2	22.1
24 Gauge (fy=80 ksi)	SINGLE	STRESS	131.6	96.7	74.0	58.5	47.4	39.2	32.9	28.0	24.2	21.1
		DEFLECTION	131.6	96.7	74.0	58.5	47.4	39.2	32.9	26.7	21.4	17.4
	2-SPAN	STRESS	134.0	98.4	75.3	59.5	48.2	39.9	33.5	28.5	24.6	21.4
		DEFLECTION	134.0	98.4	75.3	59.5	48.2	39.9	33.5	28.5	24.6	21.4
	3-SPAN	STRESS	156.5	115.0	88.0	69.5	56.3	46.6	39.1	33.3	28.7	25.0
		DEFLECTION	156.5	115.0	88.0	69.5	56.3	46.6	39.1	33.3	28.7	25.0
22 Gauge (fy=80 ksi)	SINGLE	STRESS	181.2	133.1	101.9	80.5	65.2	53.9	45.3	38.6	33.3	29.0
		DEFLECTION	181.2	133.1	101.9	80.5	65.2	53.9	45.3	36.1	28.9	23.5
	2-SPAN	STRESS	168.4	123.7	94.7	74.9	60.6	50.1	42.1	35.9	30.9	26.9
		DEFLECTION	168.4	123.7	94.7	74.9	60.6	50.1	42.1	35.9	30.9	26.9
	3-SPAN	STRESS	196.8	144.6	110.7	87.4	70.8	58.5	49.2	41.9	36.1	31.5
		DEFLECTION	196.8	144.6	110.7	87.4	70.8	58.5	49.2	41.9	36.1	31.5