

# PREMIER AG PANEL



## Exposed Fastener Series

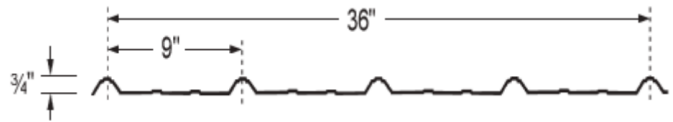
### OVERVIEW

Premier AG Panel is great for residential, light commercial, agricultural and storage buildings and also for canopies. The Premier AG Panel should be installed over a solid, waterproofed deck when used as a roof panel in a residential application. Great for exterior wall panels or interior ceilings and walls.

### PRODUCT FEATURES

- Available in 29 or 26 gauge grade 50 Galvalume.
- SMP paint finish w/30 year warranty.
- Roof slopes as low as 3:12. Vertical walls and fascia systems.
- 38" wide panel with 36" coverage.
- 3/4" overall thickness, 5 ribs @ 9" o.c. and two minor ribs in-between.
- Lengths available in 1" increments, 2'-0" minimum up to 40'-0" max.
- Weight per lineal foot: 29 ga 2.28 lbs., 26 ga. 3.08 lbs.
- Max skid weight is 2000 lbs. (29 ga. 877 lf., 26 ga. 650 lf.).

### DIAGRAM



SECTION PROPERTIES								
			NEGATIVE BENDING			POSITIVE BENDING		
PANEL GAUGE	Fy (KSI)	WEIGHT (PSF)	l <sub>xe</sub> (IN.4/FT.)	S <sub>xe</sub> (IN.3/FT.)	Max <sub>o</sub> (KIP-IN.)	l <sub>xe</sub> (IN.4/FT.)	S <sub>xe</sub> (IN.3/FT.)	Max <sub>o</sub> (KIP-IN.)
29	60*	0.63	0.0061	0.0173	0.6213	0.0102	0.0157	0.5651
26	60*	0.82	0.0083	0.0248	0.8919	0.0131	0.0205	0.7345

\*Fy is 80-ksi in accordance with the 2001 edition of the North American Specification For Design of Cold-Formed Steel Structural Members - A2 3.2  
 Notes: 1. All calculations for the properties of PSR Roof panels are calculated in accordance with the 2012 edition of the North American Specification For Design of Cold-Formed Steel Structural Members / 2. l<sub>xe</sub> is for deflection determination / 3. S<sub>xe</sub> is for bending / 4. Max<sub>o</sub> is allowable bending moment / 5. All values are for one foot of panel width

29 Gauge (Fy = 60 ksi) (ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT)								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		2	2.5	3	3.5	4	4.5	5
1-span	NEGATIVE WIND LOAD	103.6	66.3	46	33.8	25.9	20.5	16.6
	LIVE LOAD/DEFLECTION	94.2	57.1	33	20.8	13.9	9.8	7.1
2-span	NEGATIVE WIND LOAD	94.2	60.3	41.9	30.8	23.5	18.6	15.1
	LIVE LOAD/DEFLECTION	90.6	58.8	41.1	30.4	23.3	18.5	15
3-span	NEGATIVE WIND LOAD	117.7	75.3	52.3	38.4	29.4	23.3	18.8
	LIVE LOAD/DEFLECTION	111.5	72.7	51	37.7	26.3	18.5	13.5
4-span	NEGATIVE WIND LOAD	109.9	70.4	48.9	35.9	27.5	21.7	17.6
	LIVE LOAD/DEFLECTION	104.7	68.1	47.8	35.3	27.1	19.6	14.3

26 Gauge (Fy = 60 ksi) (ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT)								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		2	2.5	3	3.5	4	4.5	5
1-span	NEGATIVE WIND LOAD	148.7	95.1	66.1	48.5	37.2	29.4	23.8
	LIVE LOAD/DEFLECTION	122.4	73.3	42.4	26.7	17.9	12.6	9.2
2-span	NEGATIVE WIND LOAD	122.4	78.3	54.4	40	30.6	24.2	19.6
	LIVE LOAD/DEFLECTION	117.8	76.4	53.5	39.5	30.3	24	19.5
3-span	NEGATIVE WIND LOAD	153	97.9	68	50	38.3	30.2	24.5
	LIVE LOAD/DEFLECTION	144.9	94.5	66.3	49.1	33.8	23.7	17.3
4-span	NEGATIVE WIND LOAD	142.9	91.4	63.5	46.7	35.7	28.2	22.9
	LIVE LOAD/DEFLECTION	136.1	88.6	62.1	45.9	35.3	25.2	18.3

Notes: 1. Allowable loads are based on uniform span lengths and Fy = 60ksi / 2. LIVELOAD is limited by bending, shear, combined shear & bending, or web crippling / 3. NEGATIVE WIND LOAD does not contain 33.333% increase and does not consider fastener pullout or pullover / 4. The weight of the panel has not been deducted from the allowable loads / 5. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data / 6. This material is subject to change without notice