

PREMIER AG PANEL



Exposed Fastener Series

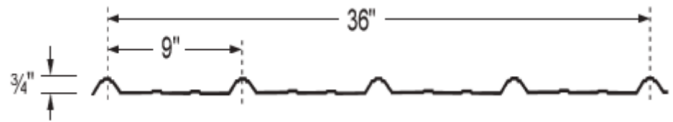
OVERVIEW

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

PANEL GAUGE	F _y (KSI)	WEIGHT (PSF)	NEGATIVE BENDING			POSITIVE BENDING		
			l _{xe} (IN.4/FT.)	S _{xe} (IN.3/FT.)	Maxo (KIP-IN.)	l _{xe} (IN.4/FT.)	S _{xe} (IN.3/FT.)	Maxo (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

Notes:

*F_y 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
 1. All calculations for the properties of AG 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_{xe} is for deflection determination / 3. S_{xe} is for bending / 4. Maxo is allowable bending moment / 5. All values are for one foot of panel width

29 Gauge (F_y = 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 (F_y = 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 uniform span lengths and f_y=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 not void all engineering data / 6. This material is subject to change without notice