

PREMIER AG PANEL



Exposed Fastener Series

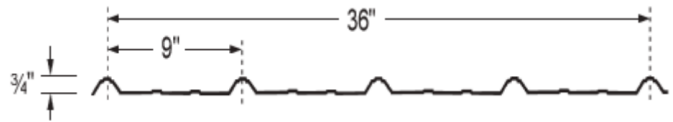
OVERVIEW

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 | Fy (KSI) | WEIGHT (PSF) | NEGATIVE BENDING | | | POSITIVE BENDING | | |
| | | | lxe (IN.4/FT.) | Sxe (IN.3/FT.) | Maxo (KIP-IN.) | lxe (IN.4/FT.) | Sxe (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:

- *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
1. All calculations for the properties of PBR Roof panels are calculated in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members / 2. lxe is for deflection determination / 3. Sxe is for bending / 4. Maxo 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