

AG / RESIDENTIAL

**EXPOSED
FASTENERS**

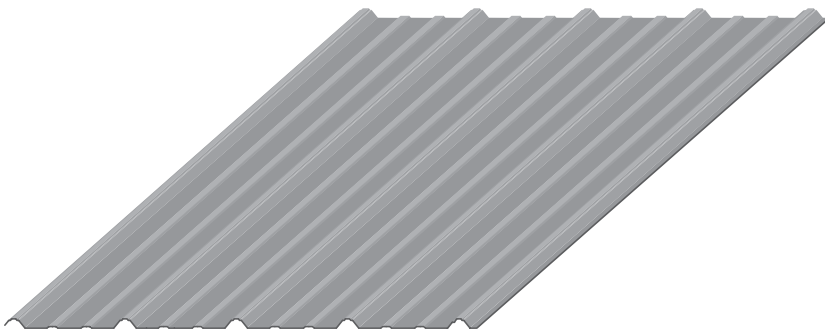
36" COVERAGE

**MINIMUM SLOPE
3:12**

**OPEN FRAMING/
SOLID SUBSTRATE**

PANEL DESCRIPTION

- Applications: Agricultural, Light Industrial, and Residential
- Limited 40-year warranty paint
- Finishes 29 ga: 19 standard SMP colors and Galvalume®
- Finishes 26 ga: 10 standard SMP colors and Galvalume®
- 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
- Sheet lengths: 1' to 50'-0" in one inch increments
- Polycarbonate and fiberglass light panels available in Magna Rib profile
- For color availability, cool roof specs, and other panel info, please see our website: www.metallionindustries.com



TESTING DATA



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

FASTENER INFORMATION

Panel Fastening:

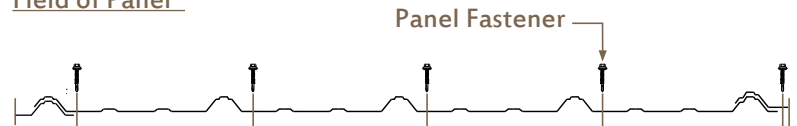
Fasten Panel to Wood with #9-15 Sharp Point Screw

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

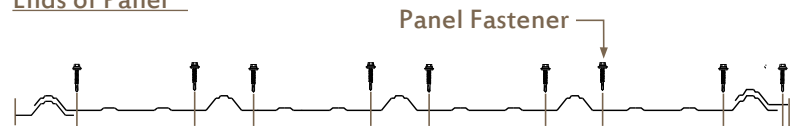
Screw thread should protrude no less than
1/4" through the underlayment.

PANEL FASTENING

Field of Panel



Ends of Panel



Magna Rib Allowable Loads (lbs/ft ²) per span			Wind Load Factor = 1.0 (not increased 33%)									
Ga	Span	Load Type	1.5'	2'	2.5'	3'	3.5'	4'	4.5'	5'	5.5'	6'
29	Single	Wind Load (Uplift)	141	71	49	34	24	18	14	11	9	8
		Live Load Deflection	222	105	63	41	28	20	15	12	10	8
	Double	Wind Load (Uplift)	158	90	58	40	29	22	17	14	11	10
		Live Load Deflection	162	89	57	39	28	20	15	12	9	6
	Triple	Wind Load (Uplift)	191	111	72	51	37	28	22	18	14	13
		Live Load Deflection	186	106	68	48	35	27	17	12	10	8

29 gauge has .0142" min Substrate Thickness, 80 KSI Tensile, and Weighs about .71 lbs per Sq. Ft.

Ga	Span	Load Type	1.5'	2'	2.5'	3'	3.5'	4'	4.5'	5'	5.5'	6'
26	Single	Wind Load (Uplift)	181	101	64	44	32	25	19	16	14	12
		Live Load Deflection	234	130	78	50	34	25	19	15	12	9
	Double	Wind Load (Uplift)	198	114	74	51	37	28	23	19	16	13
		Live Load Deflection	342	111	72	50	35	25	19	14	12	10
	Triple	Wind Load (Uplift)	241	141	91	64	47	36	29	24	21	16
		Live Load Deflection	232	133	86	60	44	33	25	19	15	12

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

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.