



# PRODUCT INFORMATION

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## FP-15 PANEL

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.)
24	50	1.54	0.0987	0.0824	2.4685	0.0441	0.0511	1.5275
22	50	1.85	0.1316	0.1106	3.3125	0.0617	0.0738	2.2110
20	50	2.16	0.1667	0.1401	4.1937	0.0824	0.1019	3.0496

**NOTES:**

1. Strength calculations based on the 2012 AISI Standard "North American Specification for the 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.

### ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

24 Gauge (Fy = 50 KSI)								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
SINGLE	POSITIVE WIND LOAD	113.1	63.6	40.7	28.3	20.8	15.9	12.6
2-SPAN	POSITIVE WIND LOAD	104.8	61.5	39.9	27.9	20.6	15.8	12.5
3-SPAN	POSITIVE WIND LOAD	119.1	75.9	49.4	34.6	25.6	19.6	15.6
4-SPAN	POSITIVE WIND LOAD	114.6	71.2	46.2	32.4	23.9	18.4	14.5

22 Gauge (Fy = 50 KSI)								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
SINGLE	POSITIVE WIND LOAD	163.8	92.1	59.0	40.9	30.1	23.0	18.2
2-SPAN	POSITIVE WIND LOAD	152.3	88.3	57.4	40.2	29.7	22.8	18.0
3-SPAN	POSITIVE WIND LOAD	184.9	108.5	70.9	49.8	36.8	28.3	22.5
4-SPAN	POSITIVE WIND LOAD	174.4	101.9	66.4	46.6	34.5	26.5	21.0

**NOTES:**

- 1) Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-Formed Steel Structural Members."
- 2) Allowable loads are applicable for uniform loading and spans without overhangs.
- 3) POSITIVE WIND LOAD capacities are for those loads that push the panel against its supports. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports and a deflection limit of L/60.
- 4) The weight of the panel has not been deducted from the allowable loads.
- 5) THE ABOVE LOADS ARE NOT FOR USE WHEN DESIGNING PANELS TO RESIST WIND UPLIFT.
- 6) The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void engineering data.
- 7) This material is subject to change without notice. Please contact MPI for the most current negative wind loads.