

## Allowable Load for Multiple Span Condition (Two or More Spans)

24 Ga. Exterior & 26 Ga. Interior Faces

Panel thickness	Design Criteria	Allowable Load (psf) per Panel Span (ft)											
		5	6	7	8	9	10	11	12	13	14	15	16
6" Thick	Bending & Shear	140.0	115.0	98.0	85.0	75.0	67.0	61.0	55.0	51.0	47.0	43.0	39.0
	Deflection (L/240)	250.0	206.0	170.0	141.0	119.0	105.0	95.0	84.0	72.0	65.0	57.0	52.0
	Connection F1	53.0	44.0	38.0	33.0	29.0	26.0	24.0	22.0	20.0	19.0	17.0	16.0

**Notes:**

Based on KS42MF panel with 24 Ga. exterior & 26 Ga. interior face. Steel minimum Fy = 33 ksi.

Allowable positive wind load is the lowest value of panel bending strength, shear strength & deflection limit

Allowable negative wind load is the lowest value of panel bending strength, shear strength, deflection limit and connection strength for each fastener pattern.

The connection strengths are derived from ASTM E-330 structural testing and the allowable loads are calculated with a factor of safety of 2.5

Connection F1 - Attachment to min. 14 Ga steel girt with 3 x 1/4" dia fasteners w/ oversized washer spaced 6"-15"-15"-6" across panel width.

The structural capacity of the girts are not considered and must be examined independently.



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