

SR2 Allowable Load Table (PSF) for Three or More Spans

Panel Strength Criteria (Allowable Uniformly Distributed Pressure & Suction)

Panel Thickness	Panel Span (ft)									
	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"
3.25"	200	164	138	120	105	94	84	77	70	65
4"	223	184	155	134	118	105	95	86	79	73
5"	240	198	167	145	127	113	102	93	85	79
6"	240	198	167	145	127	114	102	93	85	79

Connection Strength Criteria (Allowable Uniformly Distributed Wind Uplift)

Fastening/ Support Thickness	Panel Thickness	Panel Span (ft)									
		2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"
(2) fasteners per clip / Minimum 16 gauge	3.25"	60	50	42	37	32	29	26	24	22	20
	4"	61	50	43	37	33	29	26	24	22	20
	5"	61	50	43	37	33	29	27	24	22	21
	6"	61	51	43	37	33	30	27	24	22	21
(2) fasteners per clip / Minimum 12 gauge	3.25"	73	69	64	59	52	47	42	39	35	33
	4"	73	69	64	59	53	47	43	39	36	33
	5"	83	76	69	60	53	47	43	39	36	33
	6"	83	76	69	60	53	48	43	39	36	33
(3) fasteners per clip / Minimum 16 gauge	3.25"	73	69	64	55	49	44	40	36	33	31
	4"	73	69	64	56	49	44	40	36	33	31
	5"	83	76	65	56	50	44	40	37	34	31
	6"	83	76	65	56	50	45	40	37	34	31
(3) fasteners per clip / Minimum 12 gauge	3.25"	73	69	64	59	52	47	42	39	35	33
	4"	73	69	64	59	53	47	43	39	36	33
	5"	83	76	69	60	53	47	43	39	36	33
	6"	83	76	69	60	53	48	43	39	36	33

Notes:

1. Load table is based on Allowable Stress Design (ASD).
2. Load table is based on values derived from transverse load testing per ASTM E72, ASTM E1592 and strength of fasteners.
3. Panel Properties are based on **26 gauge exterior** and **26 gauge interior** facings. Inquire about other gauges.
4. The lowest load between Panel Strength, Deflection Limit and Connection Strength shall be used to determine spans.
5. The deflection limit criteria is $L/240$.
6. Connection based on ¼-14 or ¼-20 DP3 or DP5 self-drilling fasteners with SR-0X clip installed into min. 16 gauge or 12 gauge steel.
7. Connection strength may be increased with EC-01 enhancement clip. Inquire for more details.
8. Safety Factor = 2.5 for buckling, 3.0 for core shear, 2.0 for wall clip, 3.0 for fastening pullover/pullout.
9. Panel weights can be found on a separate Panel Weights Table.
10. Structural design of roof supports has not been considered and must be designed by a professional engineer.
11. Thermal effects from controlled environment and cold storage applications have not been considered.
12. Load tables do not account for sliding snow/drag loads.
13. Consult your AWIP representative for project specific calculations.
14. Consult your AWIP representative for design per FM Global Loss Prevention Data Sheet 1-28 and FM 4471 requirements
15. Load table for pressure assumes a minimum purlin bearing width of 2.5". For 6" thick panels, maximum loads can be increased for larger purlin widths. Consult your AWIP representative for more information.
16. In Canada, to use load table for pressure, calculate total factored load as per NBCC load combinations, divide by 1.5, and compare to values in the table.
Example: $(1.25 \times \text{panel wt.} + 1.5 \times \text{snow load/LL} + 0.4 \times \text{downward wind})/1.5$.
17. In Canada, for wind uplift use specified wind loads calculated as per NBCC and compare to load table values.
18. Load tables are subject to change without notice – visit www.awipanel.com for the latest information.



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