



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

Panel Strength and Deflection Limit Criteria

Panel Thickness	Panel Weight	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"	2.48	73	69	64	59	55	50	53	48	44	41
4"	2.65	73	69	64	59	55	50	66	60	55	51
5"	2.86	83	76	70	63	57	50	84	76	70	64
6"	3.12	83	76	70	63	57	50	101	92	84	78

Connection Strength Criteria – Fasteners with SR-0X Clip at Side Joint

Fasteners / Support Thickness	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 SR-0X / Minimum 16 gauge	3.25"	60	49	42	36	31	28	25	23	21	19
	4"	60	50	42	36	32	28	25	23	21	19
	5"	61	50	42	37	32	29	26	23	21	20
	6"	61	50	43	37	32	29	26	24	22	20
(2) Fasteners per SR-0X / Minimum 12 gauge	3.25"	73	69	64	58	51	45	40	37	34	31
	4"	73	69	64	58	51	46	41	37	34	31
	5"	83	76	68	59	52	46	41	38	34	32
	6"	83	76	69	59	52	47	42	38	35	32
(3) Fasteners per SR-0X / Minimum 16 gauge	3.25"	73	69	63	54	47	42	38	34	31	29
	4"	73	69	63	55	48	43	38	35	32	29
	5"	83	75	64	55	49	43	39	35	32	30
	6"	83	76	64	56	49	44	39	36	33	30
(3) Fasteners per SR-0X / Minimum 12 gauge	3.25"	73	69	64	58	51	45	40	37	34	31
	4"	73	69	64	58	51	46	41	37	34	31
	5"	83	76	68	59	52	46	41	38	34	32
	6"	83	76	69	59	52	47	42	38	35	32

Notes:

1. Load span table is based on Allowable Stress Design (ASD).
2. 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 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 ga or 12 ga 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 standing seam clip, 3.0 for fastening pullover/pullout.
9. Structural design of roof supports has not been considered and must be designed the support professional.
10. Thermal effects from controlled environment and cold storage applications have not been considered.
11. Consult your AWIP representative for snow load design.
12. Consult your AWIP representative for project specific calculations.
13. Consult your AWIP representative for design per FM Global Loss Prevention Data Sheet 1-28 and FM 4471 requirements.
14. Load tables are subject to change without notice – visit www.awipanel.com for the latest information.