



SR2 Panel Allowable Loads (PSF)

Panel Thickness	Panel Weight	Design Criteria	Panel Span (ft)								
			2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	7'-0"
3.25"	2.48	Panel/Deflection Limit	149	123	104	90	79	70	62	56	46
4"	2.65	Panel/Deflection Limit	185	153	130	112	98	87	78	71	59
5"	2.86	Panel/Deflection Limit	233	192	164	142	125	111	100	90	75
6"	3.12	Panel/Deflection Limit	262	233	198	172	151	135	121	110	92

Fastening Pattern	Connection Strength	Panel Span (ft)								
		2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	7'-0"
(2) Fasteners per clip	16 ga purlins	70	59	50	44	39	35	32	29	25
	12 ga purlins	149	124	106	93	83	75	68	62	53
	3/16" thick purlins	160	134	116	101	90	81	74	67	58
(3) Fasteners per clip	16 ga purlins	105	88	76	66	59	53	48	44	38
	12 ga purlins	160	134	116	101	90	81	74	67	58

Notes:

1. Spans shown are based on transverse load testing per ASTM-E72 and strength of fastening patterns.
2. Spans calculated with 26 gauge exterior and interior facings.
3. The lowest allowable load between panel design and connection strength must be used to determine maximum span.
4. Fastening calculated with 1/4-14 Tek 3 for 16 gauge and 12 gauge purlins and 1/4-20 Tek 5 for 3/16" thick purlins.
5. Deflection Limit: L/240
6. Safety factor = 2.5 for buckling, 3.0 for shear, 3.0 for fastening
7. Allowable suction loads in bold-italic font may be greater with the use of the EC-01 Enhanced Standing Seam Clip.
8. Structural capacity of purlins have not been considered.
9. Thermal effect due to temperature differentials have not been considered.
10. Consult your AWIP representative for snow load design.
11. Consult your AWIP representative for project specific requirements.
12. Consult your AWIP representative for FM Global Loss Prevention Data Sheet 1-28 requirements.