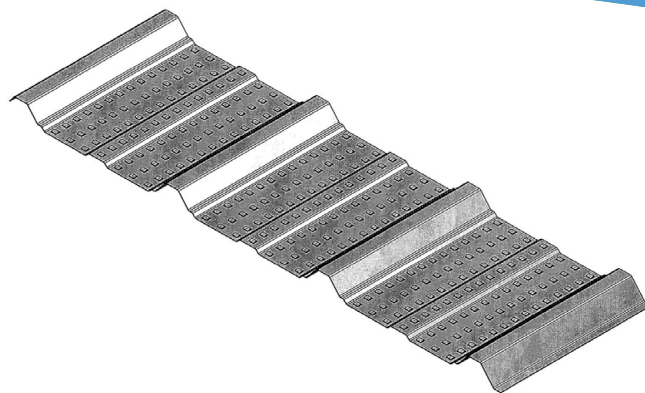
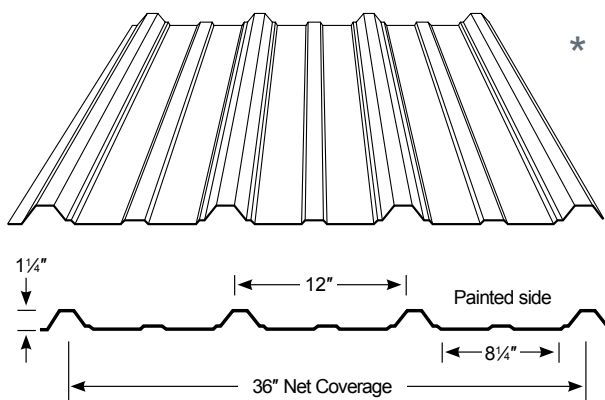


SolarWall® SW200 Profile Specifications



* Perforations not shown, refer to image above for perforation location

Physical Properties

The moments of inertia I_+ and I_- , are presented for determining deflection are: $(2I_{\text{Effective}} + I_{\text{Gross}})/3$

Gauge	Base Steel Thickness (inches)	Yield (ksi)	Tensile (ksi)	Wt. (lbs/ft ²)	I_+ (in ⁴ /ft)	S_+ (in ³ /ft)	I_- (in ⁴ /ft)	S_- (in ³ /ft)
26	0.0173	50	65	0.88	0.0432	0.0408	0.0383	0.0464
24	0.0232	50	65	1.16	0.0600	0.0619	0.0509	0.0614

Load Table

Gauge	Span	Cond.	Allowable Inward Loads (lbs/ft ²) per Span (ft.-in.)										
			3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"
26	SS	f	91	67	51	40	33	27	23	19	17	14	13
		L/180	-	-	-	-	30	23	17	14	11	9	7
	DS	f	103	76	58	46	37	31	26	22	19	16	14
		L/180	-	-	-	-	-	-	-	-	-	-	-
	TS	f	129	95	72	57	46	38	32	27	24	21	18
		L/180	-	-	-	-	-	-	-	-	-	20	16
24	SS	f	137	101	77	61	49	41	34	29	25	22	19
		L/180	-	-	-	58	42	32	24	19	15	12	10
	DS	f	136	100	77	61	49	41	34	29	25	22	19
		L/180	-	-	-	-	-	-	-	-	-	-	-
	TS	f	170	125	96	76	61	51	43	36	31	27	24
		L/180	-	-	-	-	-	-	-	-	-	-	23

Loading Table Legend

f - Load limited by flexural bending stress
 L - Span (Inches)
 L/180 - Load limited by a deflection of 1/180 of the span
 w - Distributed load

Inward Loads	SS-Single span	
	DS-Double span	
	TS-Triple span	

Note

- Top values based on allowable stress. Bottom values based on allowable deflection of L/180
- "-" denotes that the allowable load is limited by the allowable flexural bending stress
- Steel conforms to ASTM A653 (Galvanized) or ASTM A792 (Zincalume) structural steel.
- Tabulated values are for positive (Inward) loading only.
- Values are based on the American Iron and Steel Institute (AISI) "Cold Formed Steel Design Manual" (2007 edition), based on a non-perforated panel.
- Specifications subject to change without notice.

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