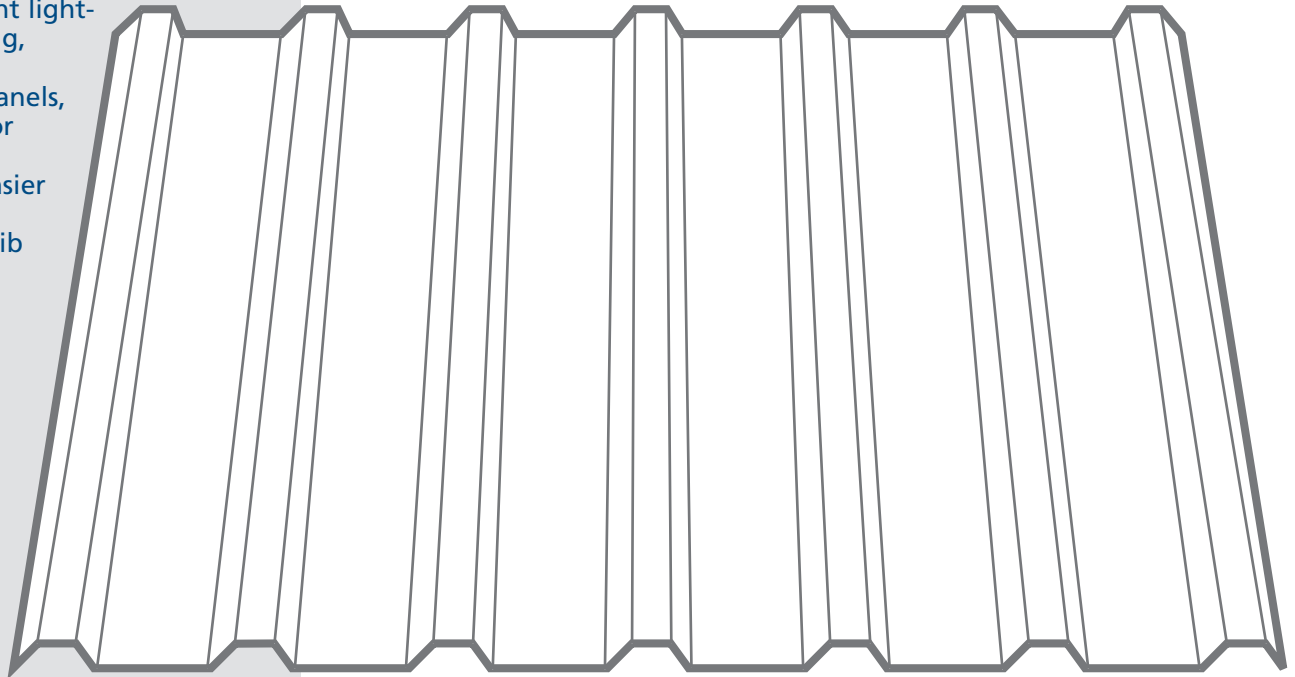




The U- & PBU panels are excellent light-duty roofing, siding and partition panels, allowing for fewer back laps and easier installation due to 6" rib spacing.



U- & PBU-PANEL

Features:

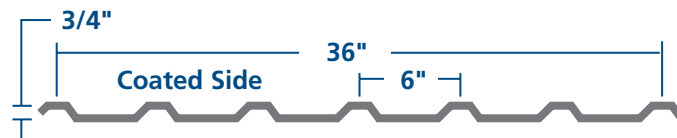
- Available in 36" coverage with 3/4" high ribs.
- Trapezoidal ribs are architecturally pleasing and can be reversed for shadow effects.
- Ideal for self-storage, commercial/industrial wall applications, equipment screens, agricultural and residential construction.
- Purlin bearing leg option for roofing application.
- U-panel is available in a wide variety of colors and finishes.
- Matching Galvalume® pre-painted finishes are available for flashings and flat stock.
- Color match fasteners are self-sealing and available for wood and steel applications.
- Panel lengths up to 50 feet are available to minimize laps at no extra charge.
- Panel can be factory perforated for acoustic applications.
- Galvalume® and pre-painted material warranties are available up to 20 years.

Panel Section Properties

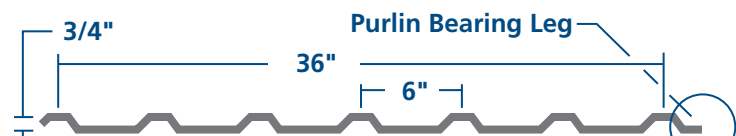
GA.	THICK. (in.)	F _y (KSI)	WT. (PSF)	TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
				I _x (in ⁴ /ft)	S _x (in ³ /ft)	M _a (in-k/ft)	I _x (in ⁴ /ft)	S _x (in ³ /ft)	M _a (in-k/ft)
29	0.0135	80	0.66	0.0162	0.0244	1.17	0.0107	0.0229	1.10
26	0.0179	80	0.87	0.0228	0.0381	1.82	0.0155	0.0344	1.65
24	0.0239	50	1.16	0.0323	0.0564	1.69	0.0241	0.0524	1.57
22	0.0299	50	1.45	0.0405	0.0737	2.21	0.0332	0.0676	2.02

- NOTES: 1. Values are based on the American Iron and Steel Institute (AISI) "Specification for the Design of Cold-Formed Steel Structural Members" (1986 edition, with 1989 Addendum).
 2. I_x is for deflection determination.
 3. S_x is for bending.
 4. M_a is allowable bending moment.
 5. All values are for one foot of panel width.

U-Panel:



PBU-Panel:



U-PANEL & PBU-PANEL ALLOWABLE SPAN (Ft.)

PANEL GAUGE	SPAN CONDITION		LOAD (PSF)								
			15	20	25	30	35	40	45	50	
29	SS	f	6.1	5.3	4.8	4.4	4.0	3.8	3.6	3.4	
		L/180	4.6	4.1	3.8	3.6	3.4	3.3	3.2	3.0	
	DS	f	5.9	5.2	4.6	4.2	3.9	3.7	3.5	3.3	
		L/180	5.7	5.2	4.8	4.6	4.3	4.1	4.0	3.8	
	TS	f	6.4	5.6	5.0	4.6	4.2	4.0	3.7	3.6	
		L/180	5.3	4.8	4.5	4.2	4.0	3.8	3.7	3.5	
26	SS	f	7.6	6.6	5.9	5.4	5.0	4.7	4.5	4.2	
		L/180	5.1	4.6	4.3	4.1	3.8	3.7	3.5	3.4	
	DS	f	7.2	6.3	5.6	5.2	4.8	4.5	4.2	4.0	
		L/180	6.5	5.9	5.4	5.1	4.9	4.7	4.5	4.3	
	TS	f	7.8	6.8	6.1	5.6	5.2	4.9	4.6	4.3	
		L/180	5.9	5.4	5.0	4.7	4.5	4.3	4.1	4.0	
24	SS	f	8.3	7.3	6.6	6.0	5.6	5.2	4.9	4.7	
		L/180	5.7	5.2	4.8	4.5	4.3	4.1	4.0	3.8	
	DS	f	8.0	7.0	6.3	5.8	5.4	5.0	4.8	4.5	
		L/180	7.3	6.7	6.2	5.8	5.5	5.3	5.1	4.9	
	TS	f	8.7	7.6	6.8	6.3	5.8	5.5	5.1	4.9	
		L/180	6.8	6.2	5.7	5.4	5.1	4.9	4.7	4.5	
22	SS	f	9.5	8.3	7.5	6.8	6.4	6.0	5.6	5.4	
		L/180	6.2	5.6	5.2	4.9	4.7	4.5	4.3	4.1	
	DS	f	9.1	7.9	7.1	6.6	6.1	5.7	5.4	5.1	
		L/180	8.0	7.3	6.8	6.4	6.0	5.8	5.6	5.4	
	TS	f	9.8	8.6	7.7	7.1	6.6	6.2	5.8	5.5	
		L/180	7.4	6.7	6.2	5.9	5.6	5.3	5.1	5.0	

U-PANEL & PBU-PANEL ALLOWABLE LOAD (PSF)

PANEL GAUGE	SPAN CONDITION		SPAN								
			4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"
29	SS	f	36	23	16	11	8	7	5	4	3
		L/180	22	11	7	4	3	2	1	1	1
	DS	f	34	21	15	11	8	6	5	4	3
		L/180	44	23	13	8	6	4	3	2	2
	TS	f	39	25	17	12	9	7	6	5	4
		L/180	35	18	10	6	4	3	2	2	1
26	SS	f	56	36	24	18	13	10	8	7	5
		L/180	31	16	9	6	4	3	2	1	1
	DS	f	51	32	22	16	12	9	7	6	5
		L/180	63	32	19	12	8	6	4	3	2
	TS	f	59	38	26	19	14	11	9	7	6
		L/180	49	25	15	9	6	4	3	2	2
24	SS	f	69	44	30	22	16	13	10	8	7
		L/180	44	23	13	8	6	4	3	2	2
	DS	f	64	41	28	20	15	12	9	7	6
		L/180	93	48	28	17	12	8	6	4	3
	TS	f	75	48	33	24	18	14	11	9	7
		L/180	73	37	22	14	9	6	5	3	3
22	SS	f	91	57	39	29	22	17	13	11	9
		L/180	55	28	16	10	7	5	4	3	2
	DS	f	83	53	36	26	20	15	12	10	8
		L/180	121	62	36	23	15	11	8	6	4
	TS	f	97	62	42	31	23	18	14	12	9
		L/180	95	49	28	18	12	8	6	5	4

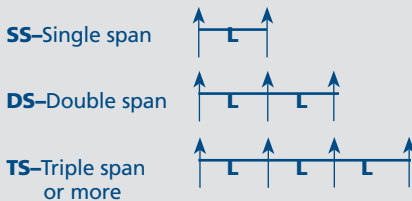
Loading Table Legend

f-load limited by flexural bending stress

L-Span

L/xxx-Load limited by deflection

Support TYP



- Notes:
- 29 and 26 GA steel conforms to ASTM A792 Grade E (Fy = 80 ksi).
 - 24 and 22 GA steel conforms to ASTM A792 Grade D (Fy = 50 ksi).
 - Values are based on the American Iron and Steel Institute (AISI) "Specification for the Design of Cold-Formed Steel Structural Members" (1986 edition, with 1989 Addendum).
 - For wind loading, multiply allowable load values by 1.33 or allowable span values by 1.15.
 - Properties and load tables are for the panel alone. The capacity of fasteners is not included.
 - Load table values do not include web crippling requirements.



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