

BCI

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U- and PBU-Panel

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

Features:

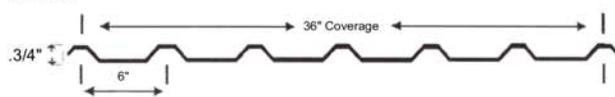
- Available in 36" coverage with 3/4" high ribs.
- Ideal for self-storage, commercial/industrial wall applications, equipment screens, agricultural and residential construction.
- Purlin bearing leg option for roofing application.
- Reversed run profiles for wall applications make an attractive shadow panel.
- U-panel is available in a wide variety of colors and finishes.
- Matching Galvalume® pre-painted finishes are available for flashing and flat stock.
- Color match fasteners are self-sealing and available for wood and steel applications.
- Panel lengths up to 65 feet are available to minimize laps at no extra charge.
- Galvalume® warranty 25 years and pre-painted material warranty 30 years.

Panel Section Properties

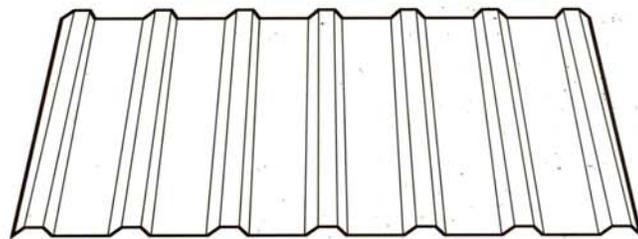
GA.	THICK	Fy	WT	TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
				I _x (in 4 /ft)	S _x (in 3 /ft)	M _a (in-k/ft)	I _x (in 4 /ft)	S _x (in 3 /ft)	M _a (in-k/ft)
26	0.0179	80	0.87	0.0228	0.0381	1.82	0.0155	0.0344	1.65
24	0.0239	50	1.16	0.0323	0.0564	1.69	0.0241	0.0524	1.57

- 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 movement.
 5. All values are for one foot of panel width.

U-Panel



PBU-Panel



Loading Table Legend

f - Load limited by flexural bending stress

L - Span

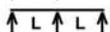
L/xxx - Load limited by deflection

Support TYP

SS - Single Span



DS - Double Span



TS - Triple Span
or more



- NOTES: 1. 26 GA steel conforms to ASTM A792 Grade E (F_y = 80 ksi).
 2. 24 GA steel conforms to ASTM A792 Grade D (F_y = 50 ksi).
 3. 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).
 4. For wind loading, multiply allowable load values by 1.33 or allowable span values by 1.15.
 5. Properties and load tables are for the panel alone. The capacity of fasteners is not included.
 6. Load table values do not include web crippling requirements.

Allowable Span (Ft.)

Panel Gauge	Span Condition	LOAD (PSF)								
		15	20	25	30	35	40	45	50	
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

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"	
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	78	48	33	24	18	14	11	9	7
		L/180	73	37	22	14	9	6	5	3	3