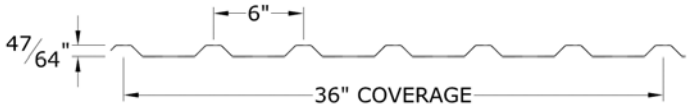
CORPORATE OFFICE | P.O. BOX 1148 SHREVEPORT, LA 71163-1148 | (318)747-8000 | FAX (318)747-8029

TECHNICAL BULLETIN

Issue Date : June 1, 2006 **Revised: January 29, 2013** **No. 07-249-06**

U-Panel PB

(Painted Gavalume)



SECTION PROPERTIES						TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
GAUGE	FY (KSI)	WEIGHT (PSF)	V_a kip/ft.	P_{a_end} lbs/ft.	P_{a_int} lbs/ft.	I_x ($in.^4$/ft.)	S_e ($in.^3$/ft.)	M_a kip-in./ft.	I_x ($in.^4$/ft.)	S_e ($in.^3$/ft.)	M_a kip-in./ft.
29	80.0	0.71	0.7037	240.90	344.30	0.0140	0.0261	0.9393	0.0100	0.0235	0.8453

1. Section properties are calculated in accordance with the 2007 AISI North American Specification for the Design of Cold-Formed Steel Structural Members.
2. Va is the allowable shear.
3. Pa is the allowable load for web crippling on end & interior supports.
4. Ix is for deflection determination.
5. Se is for bending.
6. Ma is the allowable bending moment.
7. All values are for one foot of panel width.

Allowable Uniform Loads (PSF)

		Span in Feet															
Span Type	Load Type	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00
Single	Positive Wind	278	156	100	69	51	39	30	25	20	17	14	12	11	9	8	7
	Negative Wind	250	140	90	62	46	35	27	22	18	15	13	11	10	8	7	6
	Live	278	156	100	69	51	39	30	25	20	17	14	12	11	9	8	7
	Deflection (L/180)	362	152	78	45	28	19	13	9	7	5	4	3	2	2	1	1
	Deflection (L/240)	271	114	58	33	21	14	10	7	5	4	3	2	2	1	1	1
2 Span	Positive Wind	237	136	88	61	45	34	27	22	18	15	13	11	9	8	7	6
	Negative Wind	260	150	97	68	50	38	30	24	20	17	14	12	11	9	8	7
	Live	237	136	88	61	45	34	27	22	18	15	13	11	9	8	7	6
	Deflection (L/180)	500	315	161	93	58	39	27	20	15	11	9	7	5	4	4	3
	Deflection (L/240)	500	236	121	70	44	29	20	15	11	8	6	5	4	3	3	2
3 Span	Positive Wind	290	168	109	76	56	43	34	27	23	19	16	14	12	10	9	8
	Negative Wind	317	185	121	84	62	48	38	31	25	21	18	15	13	12	10	9
	Live	290	168	109	76	56	43	34	27	23	19	16	14	12	10	9	8
	Deflection (L/180)	500	247	126	73	46	30	21	15	11	9	7	5	4	3	3	2
	Deflection (L/240)	439	185	95	54	34	23	16	11	8	6	5	4	3	2	2	2
4 Span	Positive Wind	273	158	102	71	52	40	32	26	21	18	15	13	11	10	9	8
	Negative Wind	299	174	113	79	58	45	35	28	23	20	17	14	12	11	10	8
	Live	273	158	102	71	52	40	32	26	21	18	15	13	11	10	9	8
	Deflection (L/180)	500	262	134	77	49	32	23	16	12	9	7	6	4	4	3	2
	Deflection (L/240)	466	196	100	58	36	24	17	12	9	7	5	4	3	3	2	2

Notes:
1. Allowable uniform loads are based upon equal span lengths.
2. Positive Wind is wind pressure and is **NOT** increased by 33 1/3 %.
3. Negative Wind is wind suction or uplift and is **NOT** increased by 33 1/3%.
4. Live is the allowable live or snow load.
5. Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
6. Deflection (L/240) is the allowable load that limits the panel's deflection to L/240 while under positive or live load.
7. The weight of the panel has **NOT** been deducted from the allowable loads.
8. Positive Wind, Negative Wind, and Live Load values are limited to combined shear & bending using Eq. C3.3.1-1 of the AISI Specification.
9. Positive Wind and Live Load values are limited by web crippling using a bearing length of 2".
10. Web crippling values are determined using a ratio of the uniform load **actually** supported by the top flanges of the section.
11. Load Tables are limited to a maximum allowable load of 500 psf.