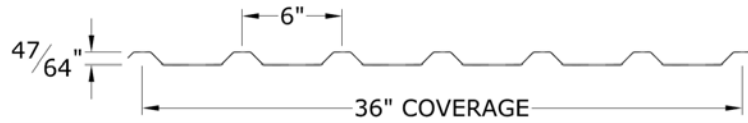




U-Panel PB

(Bare & Painted Galvalume)



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.)
26	80.0	0.90	1.0973	360.10	522.80	0.0193	0.0365	1.3130	0.0133	0.0309	1.1117

1. Section properties are calculated in accordance with the 2016 AISI North American Specification for the Design of Cold-Formed Steel Structural Members.
2. V_a is the allowable shear.
3. P_a is the allowable load for web crippling on end & interior supports.
4. I_x is for deflection determination.
5. S_e is for bending.
6. M_a is the allowable bending moment.
7. All values are for one foot of panel width.

Allowable Uniform Loads (PSF)

Span Type	Load Type	Span in Feet															
		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	389	218	140	97	71	54	43	35	28	24	20	17	15	13	12	10
	Negative Wind	329	185	118	82	60	46	36	29	24	20	17	15	13	11	10	9
	Live	389	218	140	97	71	54	43	35	28	24	20	17	15	13	12	10
	Deflection (L/180)	500	211	108	62	39	26	18	13	10	7	6	4	4	3	2	2
	Deflection (L/240)	375	158	81	46	29	19	13	10	7	5	4	3	3	2	2	1
2 Span	Positive Wind	317	181	116	81	60	46	36	29	24	20	17	15	13	11	10	9
	Negative Wind	369	212	137	95	70	54	42	34	28	24	20	17	15	13	12	10
	Live	317	181	116	81	60	46	36	29	24	20	17	15	13	11	10	9
	Deflection (L/180)	500	429	220	127	80	53	37	27	20	15	12	10	8	6	5	4
	Deflection (L/240)	500	322	165	95	60	40	28	20	15	11	9	7	6	5	4	3
3 Span	Positive Wind	390	224	145	101	74	57	45	36	30	25	21	18	16	14	12	11
	Negative Wind	451	262	170	119	88	67	53	43	35	30	25	22	19	17	15	13
	Live	390	224	145	101	74	57	45	36	30	25	21	18	16	14	12	11
	Deflection (L/180)	500	336	172	99	62	42	29	21	16	12	9	7	6	5	4	3
	Deflection (L/240)	500	252	129	74	47	31	22	16	12	9	7	5	4	3	3	2
4 Span	Positive Wind	366	210	135	94	69	53	42	34	28	23	20	17	15	13	11	10
	Negative Wind	424	245	159	111	82	63	50	40	33	28	24	20	18	15	14	12
	Live	366	210	135	94	69	53	42	34	28	23	20	17	15	13	11	10
	Deflection (L/180)	500	357	183	105	66	44	31	22	17	13	10	8	6	5	4	3
	Deflection (L/240)	500	268	137	79	50	33	23	17	12	9	7	6	5	4	3	2

Notes:

1. Allowable uniform loads are based upon equal span lengths.
2. Live is the allowable live or snow load.
3. Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
4. Deflection (L/240) is the allowable load that limits the panel's deflection to L/240 while under positive or live load.
5. The weight of the panel has **NOT** been deducted from the allowable loads.
6. Positive Wind, Negative Wind, and Live Load values are limited to combined shear & bending using Eq. H2-1 of the AISI Specification.
7. Positive Wind and Live Load values are limited by web crippling using a bearing length of 2".
8. Web crippling values are determined using a ratio of the uniform load **actually** supported by the top flanges of the section.
9. Load Tables are limited to a maximum allowable load of 500 psf.