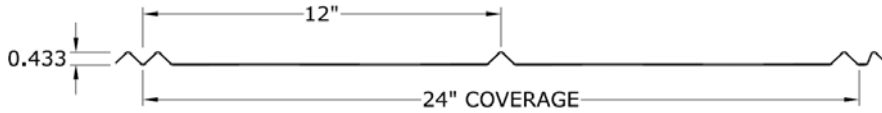




5-V Crimp

Bare Galvalume & 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.
29	80.0	0.70	0.3800	334.10	466.20	0.0030	0.0041	0.2200	0.0010	0.0070	0.1680

1. Section properties are calculated in accordance with the 2004 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															
		0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
Single	Positive Wind	500	500	260	146	93	65	47	36	28	23	19	16	13	11	10	9
	Negative Wind	500	448	199	112	71	49	36	28	22	17	14	12	10	9	7	7
	Live	500	500	260	146	93	65	47	36	28	23	19	16	13	11	10	9
	Deflection (L/180)	500	500	500	262	134	77	48	32	23	16	12	9	7	6	4	4
	Deflection (L/240)	500	500	466	196	100	58	36	24	17	12	9	7	5	4	3	3
2 Span	Positive Wind	500	420	193	110	70	49	36	27	22	17	14	12	10	9	7	6
	Negative Wind	500	500	248	142	92	64	47	36	28	23	19	16	13	11	10	9
	Live	500	420	193	110	70	49	36	27	22	17	14	12	10	9	7	6
	Deflection (L/180)	500	500	500	421	215	124	78	52	36	26	20	15	12	9	7	6
	Deflection (L/240)	500	500	500	315	161	93	58	39	27	20	15	11	9	7	5	4
3 Span	Positive Wind	500	500	238	136	88	61	45	34	27	22	18	15	13	11	9	8
	Negative Wind	500	500	304	175	112	77	57	43	34	28	23	19	16	14	12	10
	Live	500	500	238	136	88	61	45	34	27	22	18	15	13	11	9	8
	Deflection (L/180)	500	500	500	329	168	97	61	41	28	21	15	12	9	7	6	5
	Deflection (L/240)	500	500	500	247	126	73	46	30	21	15	11	9	7	5	4	3
4 Span	Positive Wind	500	482	223	127	82	57	42	32	25	20	17	14	12	10	9	8
	Negative Wind	500	500	285	165	106	74	55	42	33	27	22	18	16	13	12	10
	Live	500	482	223	127	82	57	42	32	25	20	17	14	12	10	9	8
	Deflection (L/180)	500	500	500	350	179	103	65	43	30	22	16	12	10	8	6	5
	Deflection (L/240)	500	500	500	262	134	77	49	32	23	16	12	9	7	6	4	4

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.