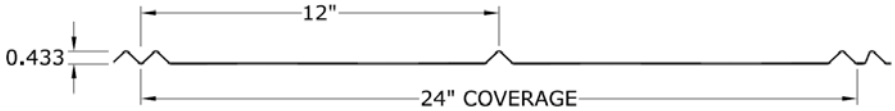
5-V Crimp

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.
26	80.0	0.85	0.4650	481.90	683.40	0.0030	0.0075	0.2700	0.0020	0.0095	0.2110

1. Section properties are calculated in accordance with the 2004 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	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	320	180	115	80	58	45	35	28	23	20	17	14	12	11
	Negative Wind	500	500	250	140	90	62	45	35	27	22	18	15	13	11	10	8
	Live	500	500	320	180	115	80	58	45	35	28	23	20	17	14	12	11
	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	500	242	138	89	62	45	35	27	22	18	15	13	11	9	8
	Negative Wind	500	500	304	174	113	78	58	44	35	28	23	19	16	14	12	11
	Live	500	500	242	138	89	62	45	35	27	22	18	15	13	11	9	8
	Deflection (L/180)	500	500	500	500	269	155	98	65	46	33	25	19	15	12	9	8
	Deflection (L/240)	500	500	500	394	202	116	73	49	34	25	18	14	11	9	7	6
3 Span	Positive Wind	500	500	299	171	110	77	56	43	34	28	23	19	16	14	12	10
	Negative Wind	500	500	373	216	140	97	71	54	43	35	29	24	20	17	15	13
	Live	500	500	299	171	110	77	56	43	34	28	23	19	16	14	12	10
	Deflection (L/180)	500	500	500	412	211	122	76	51	36	26	19	15	12	9	7	6
	Deflection (L/240)	500	500	500	309	158	91	57	38	27	19	14	11	9	7	5	4
4 Span	Positive Wind	500	500	280	160	103	72	53	40	32	26	21	18	15	13	11	10
	Negative Wind	500	500	350	202	131	91	67	52	41	33	27	23	19	17	14	13
	Live	500	500	280	160	103	72	53	40	32	26	21	18	15	13	11	10
	Deflection (L/180)	500	500	500	437	224	129	81	54	38	28	21	16	12	10	8	6
	Deflection (L/240)	500	500	500	328	168	97	61	41	28	21	15	12	9	7	6	5

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.