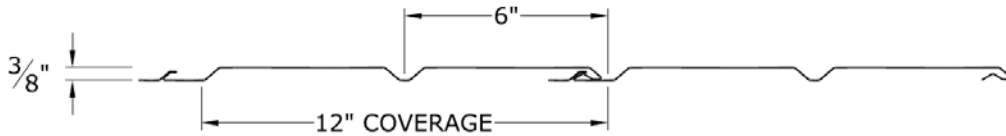




Matrix

Painted Galvalume



SECTION PROPERTIES				TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
GAUGE	FY (KSI)	WEIGHT (PSF)	V _a kip/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	0.81	0.4096	0.0022	0.0096	0.3440	0.0036	0.0121	0.4330

1. Section properties are calculated with the 2001 AISI North American Specification for the Design of Cold-Formed Steel Structural Members.
2. V_a is the allowable shear.
3. I_x is for deflection determination.
4. S_e is for bending.
5. M_a is the allowable bending moment.
6. All values are for one foot of panel width.

Allowable Uniform Loads (PSF)

		Span in Feet															
Span Type	Load Type	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	4.25	4.50	5.00
Single	Positive Wind	229	146	101	74	57	45	36	30	25	21	18	16	14	12	11	9
	Live	229	146	101	74	57	45	36	30	25	21	18	16	14	12	11	9
	Deflection (L/180)	192	98	56	35	24	16	12	9	7	5	4	3	3	2	2	1
	Deflection (L/240)	144	73	42	26	18	12	9	6	5	4	3	2	2	1	1	1
2 Span	Positive Wind	264	174	123	91	70	55	45	37	31	27	23	20	17	15	14	11
	Live	264	174	123	91	70	55	45	37	31	27	23	20	17	15	14	11
	Deflection (L/180)	500	312	180	113	76	53	39	29	22	17	14	11	9	7	6	4
	Deflection (L/240)	457	234	135	85	57	40	29	22	16	13	10	8	7	5	5	3
3 Span	Positive Wind	319	212	151	112	87	69	56	46	39	33	29	25	22	19	17	14
	Live	319	212	151	112	87	69	56	46	39	33	29	25	22	19	17	14
	Deflection (L/180)	478	244	141	89	59	41	30	23	17	13	11	9	7	6	5	3
	Deflection (L/240)	358	183	106	66	44	31	22	17	13	10	8	6	5	4	3	2
4 Span	Positive Wind	301	200	142	105	81	64	52	43	36	31	27	23	20	18	16	13
	Live	301	200	142	105	81	64	52	43	36	31	27	23	20	18	16	13
	Deflection (L/180)	500	259	150	94	63	44	32	24	18	14	11	9	7	6	5	4
	Deflection (L/240)	380	194	112	71	47	33	24	18	14	11	8	7	5	4	4	3
ASTM E1592 Testing		NO TEST DATA AVAILABLE															

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. Live is the allowable live or snow load.
4. Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
5. Deflection (L/240) is the allowable load that limits the panel's deflection to L/240 while under positive or live load.
6. The weight of the panel has **NOT** been deducted from the allowable loads.
7. Positive wind and Live load values are limited to combined shear & bending using Eq. C3.3.1-1 of the AISI Specification.
8. Values of ASTM E1592 Testing include a factor of safety of 2.0. Shaded areas are outside of test range. Contact McElroy Metal for more information.
9. Web Crippling has **NOT** been checked for this panel.
10. Load Tables are limited to a maximum allowable load of 500 psf.