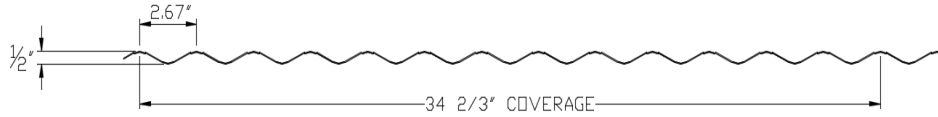




M-Cor

Kynar



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	0.72	0.9599	0.0055	0.0210	0.6304	0.0055	0.0217	0.6450

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. 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 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	186	105	67	46	34	26	20	16	13	11	9	8	7	6	5	5
	Negative Wind	191	107	68	47	35	26	21	17	14	11	10	8	7	6	5	5
	Live	186	105	67	46	34	26	20	16	13	11	9	8	7	6	5	5
	Deflection (L/180)	143	60	30	17	11	7	5	3	2	2	1	1	1	0	0	0
	Deflection (L/240)	107	45	23	13	8	5	3	2	2	1	1	1	0	0	0	0
2 Span	Positive Wind	187	106	68	47	34	26	21	17	14	11	10	8	7	6	5	5
	Negative Wind	183	104	66	46	34	26	20	16	13	11	9	8	7	6	5	5
	Live	187	106	68	47	34	26	21	17	14	11	10	8	7	6	5	5
	Deflection (L/180)	345	145	74	43	27	18	12	9	7	5	4	3	2	2	1	1
	Deflection (L/240)	259	109	55	32	20	13	9	6	5	4	3	2	2	1	1	1
3 Span	Positive Wind	233	132	85	59	43	33	26	21	17	14	12	10	9	8	7	6
	Negative Wind	228	129	83	58	42	32	25	20	17	14	12	10	9	8	7	6
	Live	233	132	85	59	43	33	26	21	17	14	12	10	9	8	7	6
	Deflection (L/180)	270	114	58	33	21	14	10	7	5	4	3	2	2	1	1	1
	Deflection (L/240)	202	85	43	25	15	10	7	5	4	3	2	1	1	1	1	0
4 Span	Positive Wind	218	123	79	55	40	31	24	20	16	13	11	10	8	7	6	6
	Negative Wind	213	121	77	54	39	30	24	19	16	13	11	9	8	7	6	6
	Live	218	123	79	55	40	31	24	20	16	13	11	10	8	7	6	6
	Deflection (L/180)	287	121	62	35	22	15	10	7	5	4	3	2	2	1	1	1
	Deflection (L/240)	215	90	46	26	16	11	7	5	4	3	2	2	1	1	1	0

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. Load Tables are limited to a maximum allowable load of 500 psf.
9. Web crippling has not been checked for this panel.