

PANEL SECTION PROPERTIES --- PER FOOT OF WIDTH

GAUGE	Fy (ksi)	WEIGHT (psf)	SHEAR Va (lbs / ft)	TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
				Ix (in4 / ft)	Sx (in3 / ft)	Ma (in.-k)	Ix (in4 / ft)	Sx (in3 / ft)	Ma (in.-k)
26	50	0.785	1103	0.0065	0.0243	0.7265	0.0065	0.0243	0.7265

- Notes:
1. Fy is the yield strength of the base metal.
 2. Va is the allowable vertical shear of the panel.
 3. Ix is the effective moment of inertia of the panel per foot of width.
 4. Sx is the effective section modulus of the panel per foot of width.
 5. Ma is the allowable bending moment of the panel per foot of width.
 6. All properties are calculated in accordance with the 2007 North American Specification for the Design of Cold-Formed Steel Structural Members.

ASD - ALLOWABLE UNIFORM LOAD (psf)

SPANS	LOAD TYPE	SPAN (FEET)							
		1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
1	LIVE	484	215	121	77	53	39	30	23
	NEGATIVE WIND	484	215	121	77	53	39	30	23
	DEFL. (L / 180)	484	165	69	35	20	13	8	6
	DEFL. (L / 240)	418	124	52	26	15	9	6	4
2	LIVE	467	211	119	77	53	39	30	23
	NEGATIVE WIND	467	211	119	77	53	39	30	23
	DEFL. (L / 180)	467	211	119	77	49	31	21	14
	DEFL. (L / 240)	467	211	119	64	37	23	15	11
3	LIVE	575	262	149	96	66	49	37	29
	NEGATIVE WIND	575	262	149	96	66	49	37	29
	DEFL. (L / 180)	575	262	131	67	39	24	16	11
	DEFL. (L / 240)	575	234	98	50	29	18	12	8
4	LIVE	539	246	139	89	62	45	35	27
	NEGATIVE WIND	539	246	139	89	62	45	35	27
	DEFL. (L / 180)	539	246	139	71	41	26	17	12
	DEFL. (L / 240)	539	246	104	53	31	19	13	9

- Notes:
1. Loads have NOT been increased by 1/3.
 2. Span lengths are assumed to be equal.
 3. Self weight of panel has not been deducted from tabular values.
 4. Both Wind and Live "Load Type" values have considered combined bending and shear.
 5. Effects of web crippling have not been considered and fastener/support connection have not been considered..
 6. All values have been calculated in accordance with the 2007 North American Specification for the Design of Cold-Formed Steel Structural Members.
 7. For use of COR25 Panel without continuous structural substrate in a roof application, the maximum span for the Steel Deck Institute's Construction and Maintenance is 1'-7" for Single Span or 2'-0" for Multiple Span.
 8. Deflection values are capped at the Live load value.