



Features:

- Horizontal or Vertical Installation
- Applied over open framing or solid substrate
- Applied solid substrate with proper substrate

Finish Options:

ProFinish 500 (PVDF)- Colors & Acrylic Coated Galvalume®

Panel Lengths:

Minimum 5'-0"

Maximum 45'-0"

Clarifications:

Perforated available

Panel Depth: 1.5"

Panel Coverage:

36"

Material Options:

24 Gauge (standard), 22 ga. & 20 ga. optional (inquire) Steel, Aluminum, and A606 Weathering Steel

SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf For various fastener spacings											
Ga	Width in	Yield ksi	Weight psf	Top In Compression		Bottom In Compression		Inward Load						Outward Load					
				I _{xx} in ⁴ /ft	S _{xx} in ³ /ft	I _{xx} in ⁴ /ft	S _{xx} in ³ /ft	4'	5'	6'	7'	8'	9'	4'	5'	6'	7'	8'	9'
26	36	50	0.88	0.0707	0.0817	0.0653	0.0663	88	58	41	31	24	19	104	70	50	37	29	22
24	36	50	1.15	0.1000	0.1208	0.0987	0.1076	149	97	68	50	39	29	165	108	76	56	41	29
22	36	50	1.51	0.1400	0.1757	0.1400	0.1557	220	142	100	73	54	38	246	160	112	80	54	38
20	36	33	1.85	0.1900	0.2450	0.1900	0.2223	208	135	94	69	53	42	228	148	103	76	58	46
18	36	33	2.45	0.2700	0.3300	0.2667	0.3230	300	195	136	100	77	61	306	199	139	103	79	61

1. Theoretical section properties have been calculated per ANSI 2007 "North American Specification for Design of Cold-Formed Steel Structural Member." I_{xx} and S_{xx} are effective section properties for deflection and bending.
2. Allowable load is calculated in accordance with ANSI 2007 specifications considering bending, shear, combined bending and shear deflection. Allowable load considers the 3 or more equal spans condition. Allowable load does not address web crippling, fasteners, support material or load testing. Panel weight is not considered.
3. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
4. Allowable loads do not include a 1/3 stress increase for wind.

AIR INFILTRATION: Resistance to air infiltration: 0.007cfm per lineal foot of joint when tested in accordance with ASTM E-283 at static test pressure differential of 12.00psf.

WATER INFILTRATION: Resistance to water infiltration: No leakage through panel joints in accordance with ASTM E-331 at static test pressure differential at 12.00psf.