

Corr-Lite 1/2" Corrugated

Technical Reference



Product Overview

- ◆ Architectural application
- ◆ Finishes: Kynar 500 (PVFD) Colors and Acrylic Coated Galvalume
- ◆ Available Gauges: 24 ga Standard, 22 and 26 ga Optional upon inquiry
- ◆ Also available in A606 Corten Weathering Steel, Aluminum and Zinc
- ◆ Applied over Solid Substrate with proper underlayment
- ◆ Perforated panels for wind screens and liner panels
- ◆ Minimum slope—3:12
- ◆ Min. Length—3'-6"
- ◆ Corrugated ribs 2 2/3" On Center

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	2'	2.5'	3'	3.5'	4'	4.5'	2'	2.5'	3'	3.5'	4'	4.5'
29	21.33	80	0.70	0.0056	0.0215	0.0056	0.0208	116	59	34	22	14	10	116	59	34	22	14	10
26	21.33	80	0.90	0.0073	0.0275	0.0073	0.0274	151	77	45	28	19	13	151	77	45	28	19	13
24	21.33	50	1.17	0.0096	0.0354	0.0096	0.0354	197	101	58	37	25	17	197	101	58	37	25	17
22	21.33	50	1.53	0.0124	0.0457	0.0124	0.0457	255	131	76	48	32	22	255	131	76	48	32	22

1. Theoretical section properties have been calculated per AISI 2007 'North American Specification for the Design of Cold-Formed Steel Structural Members'. I_{xx} and S_{xx} are effective section properties for deflection and bending.
2. Allowable load is calculated in accordance with AISI 2007 specifications considering bending, shear, combined bending and shear and 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 12.00 psf.

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



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