

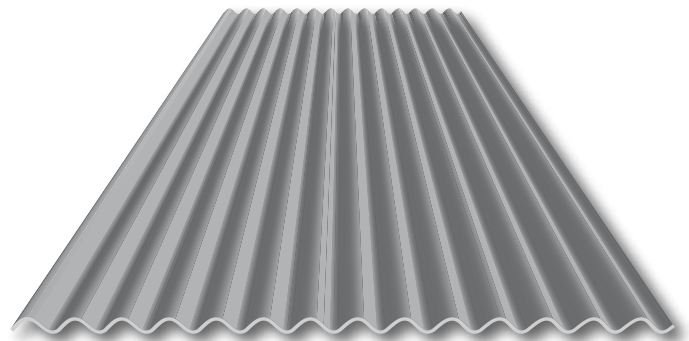
7/8" Corrugated Panel

Metal Sales Manufacturing Corporation



Versatile Metal Roof and Wall Panel

- ▶ Choose from PVDF, MS Colorfast45® or Acrylic Coated Galvalume®
- ▶ Available in a wide variety of ENERGY STAR® listed colors
- ▶ Applies over solid substrate or open framing
- ▶ 26 gauge and 24 gauge standard
- ▶ 22 gauge and 20 gauge optional
- ▶ Minimum roof slope 1:12

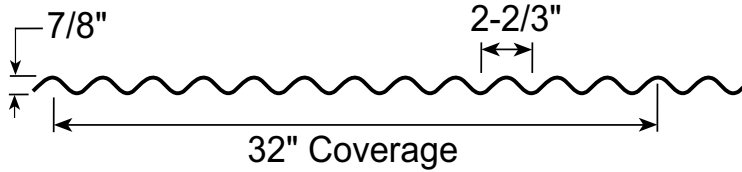


800.406.7387
metalsales.us.com

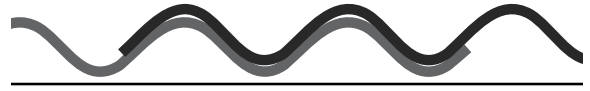
ms metal sales™
manufacturing corporation

7/8" CORRUGATED PANEL

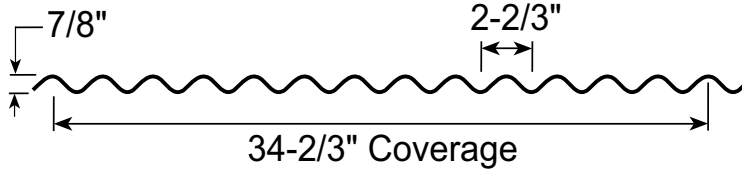
ROOF PANEL



ROOF PANEL LAP



WALL PANEL



WALL PANEL LAP



TESTING AND APPROVALS

- ▷ UL 580, Class 90 Wind Uplift, Const. # 649
- ▷ UL 790, Class A Fire Resistance Rating
- ▷ UL 2218 Class 4 Impact Resistance
- ▷ 2017 Florida Building Code Approved
 - 24 ga. over 16 ga. Purlins 10999.1
 - 24 ga. over 16 ga. Girts 9482.1

- ▷ Texas Department of Insurance Evaluation Reports, RC-409
- ▷ ICC Evaluation Report: ESR-2385
- ▷ ASTM E 283 Air Leakage & ASTM E 331 Water Penetration
- ▷ ASTM E 330 Uniform Static Air Pressure Difference
- ▷ ASTM E 1592 Roof Uplift Load
- ▷ ASTM E 1646 Water Penetration & ASTM E 1680 Air Leakage

LOAD TABLES

ROOF PANEL 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						
				Ixx in ⁴ /ft	Sxx in ³ /ft	Ixx in ⁴ /ft	Sxx in ³ /ft	2.5'	3'	3.5'	4'	4.5'	5'	2.5'	3'	3.5'	4'	4.5'	5'
26	32	50	1.02	0.0278	0.0624	0.0278	0.0624	227	159	107	72	50	37	227	159	107	72	50	37
24	32	50	1.33	0.0338	0.0801	0.0338	0.0801	291	204	130	87	61	45	291	204	130	87	61	45
22	32	50	1.73	0.0450	0.1029	0.0450	0.1029	373	262	173	116	81	59	373	262	173	116	81	59
20	32	33	2.11	0.0525	0.1234	0.0525	0.1234	295	207	153	117	93	69	295	207	153	117	93	69

WALL PANEL 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					
				Ixx in ⁴ /ft	Sxx in ³ /ft	Ixx in ⁴ /ft	Sxx in ³ /ft	2'	3'	4'	5'	6'	7'	2'	3'	4'	5'	6'	7'
26	34.67	50	0.94	0.0256	0.0576	0.0256	0.0576	322	147	66	34	20	12	322	147	66	34	20	12
24	34.67	50	1.22	0.0312	0.0739	0.0312	0.0739	412	188	80	41	24	15	412	188	80	41	24	15
22	34.67	50	1.60	0.0415	0.0950	0.0415	0.0950	530	241	107	55	32	20	530	241	107	55	32	20
20	34.67	33	1.95	0.0485	0.1139	0.0485	0.1139	419	191	108	64	37	23	419	191	108	64	37	23

1. Theoretical section properties have been calculated per AISI 2012 'North American Specification for the Design of Cold-Formed Steel Structural Members'. Ixx and Sxx are effective section properties for deflection and bending.
2. Allowable load is calculated in accordance with AISI 2012 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.

1703 ©MS/4-2019

Metal Sales Manufacturing Corporation

Anchorage, AK: 866.640.7663
 Bay City, MI: 888.777.7640
 Deer Lake, PA: 800.544.2577
 Denver, CO: 800.289.7663
 Detroit Lakes, MN: 888.594.1394

Fontana, CA: 800.782.7953
 Fort Smith, AR: 877.452.3915
 Independence, MO: 800.747.0012
 Jacksonville, FL: 800.394.4419
 Jefferson, OH: 800.321.5833

Mocksville, NC: 800.228.6119
 Nashville, TN: 800.251.8508
 Rock Island, IL: 800.747.1206
 Rogers, MN: 800.328.9316
 Seattle, WA: 800.431.3470

www.metalsales.us.com

Sellersburg, IN: 800.999.7777
 Spokane, WA: 800.572.6565
 Temple, TX: 800.543.4415
 Woodland, CA: 800.759.6019