

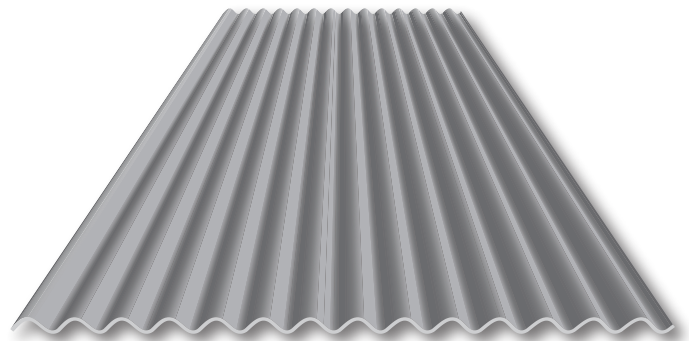
7/8" Corrugated Panel

Metal Sales Manufacturing Corporation



Versatile Metal Roof and Wall Panel

- ▶ Choose from PVDF, MS Colorfast45® or Acrylic Coated Galvalume®
- ▶ Applies over solid substrate or open framing
- ▶ 26 gauge and 24 gauge standard
- ▶ 22 gauge and 20 gauge optional
- ▶ Minimum roof slope 1:12

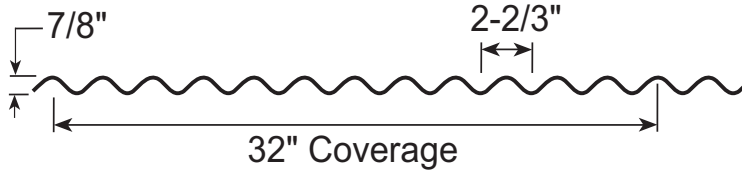


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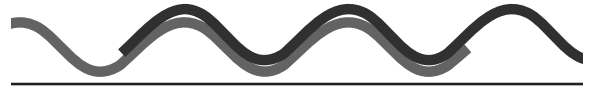
MS Metal Sales™

7/8" CORRUGATED PANEL

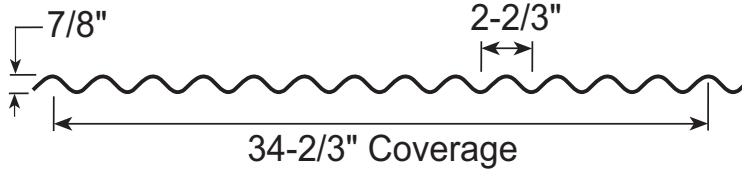
ROOF PANEL



ROOF PANEL LAP



WALL PANEL



WALL PANEL LAP



TESTING AND APPROVALS

- ▷ UL 2218 Impact Resistance - Class 4
- ▷ UL 263 Fire Resistance Rating - per assembly
- ▷ ASTM E 283 Air Leakage - 0.004 cfm/ft² at 6.24 psf *
- ▷ ASTM E 331 Water Penetration - none at 12 psf*
- ▷ ASTM E 1592 Structural Performance

- ▷ ASTM E 330 Structural Performance
- ▷ 2023 Florida Building Code Approved – FL9482.1
- * uses Double Bead Tape Sealant and Stitch Screws 1' oc in Side Lap

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	386	159	67	34	20	12	386	159	67	34	20	12
24	34.67	50	1.22	0.0312	0.0739	0.0312	0.0739	412	188	81	41	24	15	412	188	81	41	24	15
22	34.67	50	1.60	0.0415	0.0950	0.0415	0.0950	530	241	109	56	32	20	530	241	109	56	32	20
20	34.67	33	1.95	0.0498	0.1139	0.0498	0.1139	419	191	108	64	39	23	419	191	108	64	39	23

1. Theoretical section properties have been calculated per AISI 2016 '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 2016 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.

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