

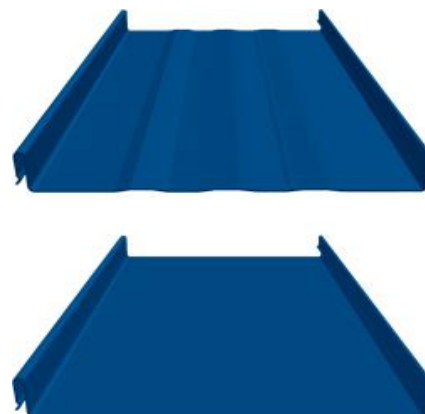
Vertical Seam Standing Seam Metal Roofing Wholesalers 865-379-7777



Residential, Architectural and Commercial Panel

Panel Specifications

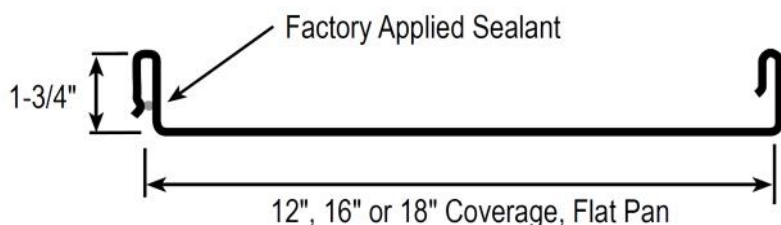
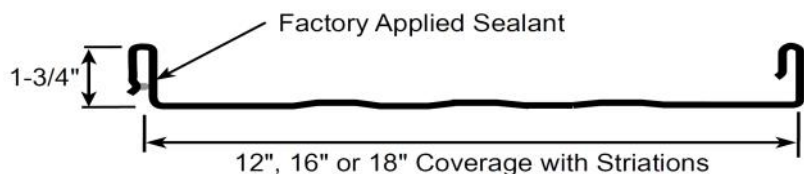
- Choose from Painted 40 Year or Acrylic Coated Galvalume
- Available in a wide variety of ENERGY STAR Certified colors
- Applies over solid substrate or open framing
- Minimum Recommend Roof Slope 1:12 (Solid Substrate)
- Minimum Recommend Roof Slope 3:12 (Open Framing)
- 26 ga and 24 ga Standard, 22 ga option
- Factory applied side lap sealant



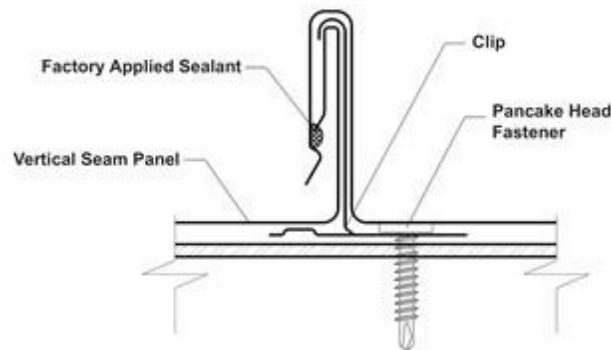
www.MetalRoofingWholesalers.com
Toll Free 1-877-646-6382

Vertical Seam Standing Seam

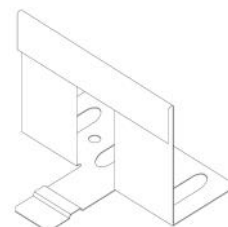
Panel Profiles



Attachment Detail



UL-90 Clip Detail



Testing And Approvals

- ☑ UL 2218 Impact Resistance - Class 4
- ☑ UL 790 Fire Resistance Rating - Class A, per building code
- ☑ UL 263 Fire Resistance Rating - per assembly
- ☑ ASTM E 283 Air Leakage - 0.035 cfm/ft² at 1.57 psf
- ☑ ASTM E 1646 Water Penetration - none at 6.24 psf
- ☑ ASTM E 1592 Structural Performance
- ☑ UL 580 Uplift Resistance - Class 90 Constructions: #436, #446 and #448
- ☑ Texas Windstorm - Evaluation RC-412
- ☑ 2014 FBC Approvals - FL11560.10, FL11560.11 and FL 11560.12
- ☑ Miami-Dade County, Florida - NOA 13-0905.05, expires 3/8/2019

Load Table

SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf For various clip 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	12	50	1.06	0.0781	0.0530	0.0377	0.0408	148	104	77	59	-	-	55	49	42	36	-	-
26	16	50	0.97	0.0614	0.0402	0.0283	0.0306	114	79	58	45	-	-	55	49	42	36	-	-
26	18	50	0.94	0.0553	0.0358	0.0253	0.0273	-	-	-	-	-	-	-	-	-	-	-	-
24	12	50	1.38	0.1118	0.0774	0.0533	0.0557	204	143	105	81	64	52	44	43	42	41	40	39
24	16	50	1.26	0.0885	0.0589	0.0398	0.0419	153	107	79	61	48	39	42	38	34	30	27	24
24	18	50	1.22	0.0800	0.0526	0.0353	0.0372	136	95	70	54	43	35	33	30	27	24	20	19
22	12	50	1.81	0.1533	0.1071	0.0773	0.0771	284	198	146	112	89	72	69	67	65	62	60	58
22	16	50	1.66	0.1230	0.0822	0.0585	0.0579	213	149	110	84	66	54	54	51	48	45	36	35
22	18	50	1.60	0.1113	0.0736	0.0520	0.0515	190	132	97	75	59	48	31	30	29	29	28	27

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 loads are calculated in accordance with AISI 2012 specifications considering bending, shear, combined bending and shear, deflection and ASTM E 1592 uplift testing for 24 ga and 22 ga and UL 580 uplift testing for 26 ga. Allowable loads consider the 3 or more equal spans condition. Allowable loads do not address web crippling, fasteners or support material. 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.
- Indicates that no testing is available for the application.



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