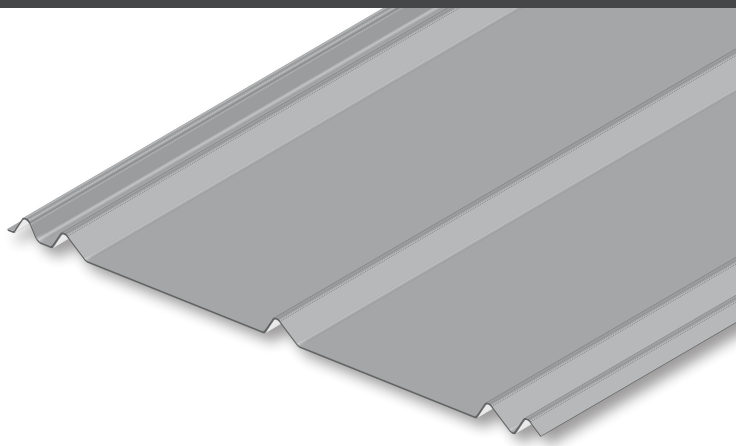
5V-Crimp

Metal Sales™

Metal Roof Panel

- Traditional v-rib panel design
- 26 ga. and 24 ga. standard
- Minimum roof slope 3:12
- Available in a wide variety of colors
- Installs over a solid substrate



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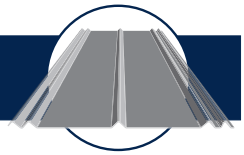
5V-CRIMP ROOF PANEL



PANEL INFORMATION

- Gauge: 26 ga standard; 29 ga & 24 ga optional
- 24″ panel coverage, 1/2″ rib height
- Exposed direct-fastened
- Residential, 'V' rib roof system
- Minimum roof slope: 3:12

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
- UL 580 Uplift Resistance - Class 90 Constructions: #579 & #453
- Texas Windstorm - Evaluation RC-160
- Miami-Dade County, NOA 23-0222.06 (26 Gauge)
- Miami-Dade County, NOA 24-0212.05 (0.032″ Aluminum)
- 2023 FBC Approval

26 Gauge Over:
- 7/16″ OSB, FL14645.3
- 1/2″ Plywood, FL14645.2

0.032″ Aluminum Over:
- 7/16″ OSB, FL11560.1

GENERAL INFORMATION

Features: 5V-Crimp panels will not warp, split, crack or curl and are impervious to mildew, rot, termites and pests. Installation over solid substrate or open framing.

Substructure: 5V-Crimp is designed to be utilized over a solid substrate. To avoid panel distortion, use a properly aligned and uniform substructure.

Length: Minimum factory cut length is 5′-0″. Maximum recommended panel length is 45′-0″. Longer panels require additional considerations in packaging, shipping and erection. Please consult Metal Sales for recommendations.

Fasteners: The fastener selection guide should be consulted for choosing the proper fastener for specific applications. Quantity and type of fastener must meet necessary loading and code requirements.

Finishes: MS Colorfast45®, PVDF & Acrylic-Coated Galvalume®.

LOAD TABLE

SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf For various fastener spacings					
Ga	Width in	Yield ksi	Weight psf	Top In Compression		Bottom In Compression		Outward Load					
				Ixx in^4/ft	Sxx in^3/ft	Ixx in^4/ft	Sxx in^3/ft	0.5'	1'	1.5'	2'	2.5'	3'
26	24	50	0.78	0.0025	0.0070	0.0015	0.0055	197	100	71	62	50	42
24	24	50	1.02	0.0030	0.0089	0.0020	0.0073	197	100	71	62	50	42

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 & shear and deflection. Allowable load does not address web crippling, fasteners, support material or load testing. Allowable load considers the three or more equal spans condition. 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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