

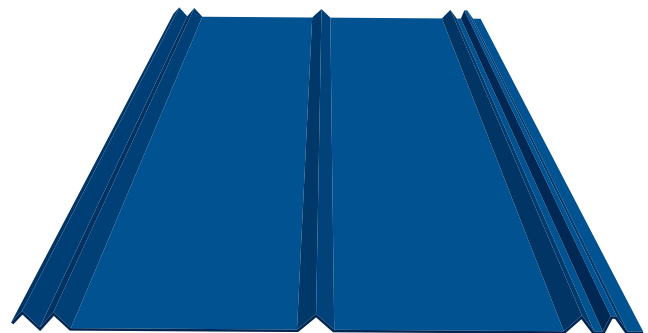
5V-Crimp

Metal Sales Manufacturing Corporation



Metal Roof Panel with a Classic Look

- ▶ Choose from PVDF (Kynar 500®), MS Colorfast45® or Acrylic Coated Galvalume®
- ▶ Available in a wide variety of ENERGY STAR® listed colors
- ▶ Installs over a solid substrate
- ▶ 24 gauge and 26 gauge
- ▶ Minimum 3:12 slope

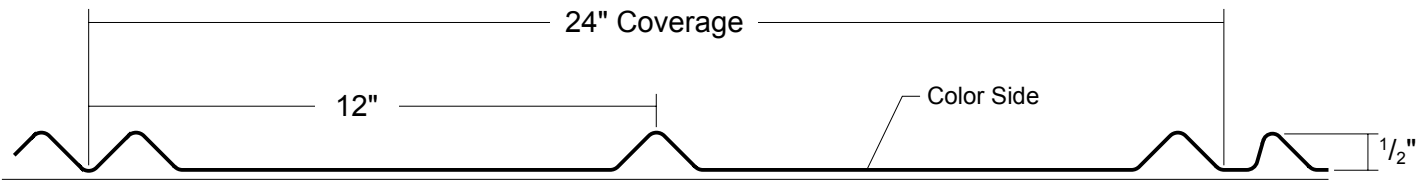


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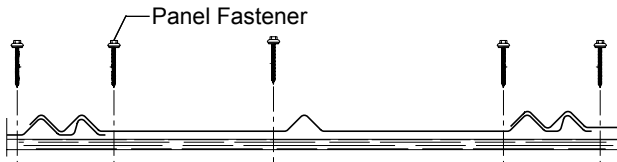
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5V-CRIMP

PROFILE

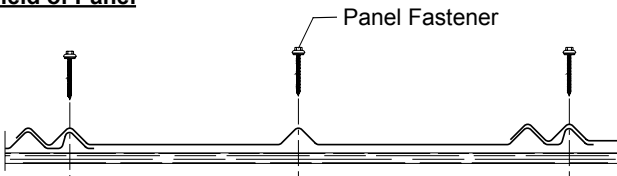


FASTENING PATTERN

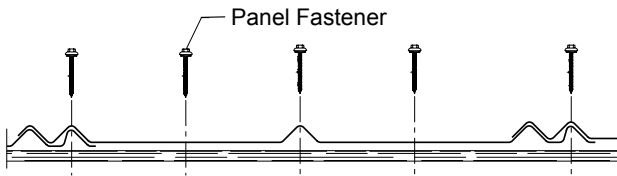


ALTERNATE FASTENING PATTERN

Field of Panel



Ends of Panel



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' |
| | | | | | | | | | | | | | |
| 24 | 24 | 50 | 1.02 | 0.0030 | 0.0089 | 0.0020 | 0.0073 | 197 | 100 | 71 | 62 | 50 | 42 |

- Theoretical section properties have been calculated per AISI 2007 'North American Specification for the Design of Cold-Formed Steel Structural Members'. Ixx and Sxx are effective section properties for deflection and bending.
- Allowable load is calculated in accordance with AISI 2007 specifications considering bending, shear, combined bending and shear, deflection and UL 580 uplift testing over 5/8" plywood using the Alternate Fastening Pattern above. Allowable load considers the 3 or more equal spans condition. Allowable load does not address web crippling, fasteners or support material. Panel weight is not considered.
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- Allowable loads do not include a 1/3 stress increase for wind.

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GENERAL INFORMATION

- **Roof Slope:** Minimum 3:12
- **Substructure:** 5V-Crimp Panel is designed to be utilized over a solid substrate with a minimum 30# felt underlayment. To avoid panel distortion, use a properly aligned and uniform substructure.
- **Factory Cut Panel Length:** Minimum 5'-0". Maximum 45'-0"
- **Finishes:** Galvalume®, MS Colorfast45®, or PVDF (Kynar 500®) colors.
- **Fastener:** Attaching to Wood: #10-14 Wood Screw or #10-14 XL Wood Screw for Galvalume® finish.

For all specific warranty, application, installation, and technical information regarding these products, contact your Metal Sales representative.

TESTING

- **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 and #453
- **Texas Wind Storm:** Evaluation RC-160
- **2010 FBC Approvals:** FL14645.2, FL14645.3 and FL14645.4
- **Miami-Dade County:** Florida NOA 13-0627.02 expires 6/29/2018