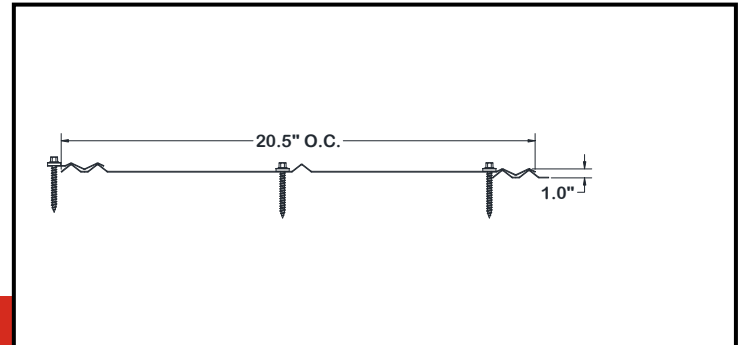


TECHNICAL INFORMATION SHEET

UNA-CLAD™ 5V Crimp

Item Description

Corrugated Panel for Commercial-Industrial Metal Wall and Roofing Cladding



Product Information

Description:

Firestone UNA-CLAD 5V Crimp (5VC) Wall Panel is a factory formed corrugated commercial-industrial metal wall and roof panel that provides a traditional metal panel appearance. The 5V Crimp wall panel is mechanically fastened with exposed fasteners.

Method of Application:

1. Firestone 5V Crimp panels should be installed over a solid substrate, but can also be installed over open framing.
2. Application of a Firestone approved underlayment prior to panel installation over a solid substrate is recommended.

Storage:

- Firestone metal panels should be stored in a well ventilated, dry place where no moisture can contact them. Moisture (From rain, snow, condensation, etc.) trapped between layers of material may cause water stains or white rust, which can affect the service life of the material and will detract for the appearance.
- If outdoor storage cannot be avoided, protect the panels with a ventilated canvas or waterproof paper cover. Do not use plastic, which can cause condensation. Keep the material off the ground in an inclined position with an insulator such as wood. Protective film may degrade or become brittle with long term exposure to direct sunlight.

Precautions:

- Oil canning is not a cause for rejection.
- Sealant for end laps and lap joints shall be non-drying, non-toxic, and non-shrinking with a serviceable temperature of -60 to 212 °F (-51 to 100 °C).
- Quality, long-life butyl sealants work best as a gasket sandwiched between two pieces of metal. Non-acetic cured silicone color matching sealants are recommended when voids must be filled. Sealants are not a substitute for proper assembly and workmanship.
- Exercise caution when lifting, moving, transporting, storing or handling Firestone metal to avoid possible physical damage.
- Refer to Safety Data Sheets (SDS) for safety information.
- Immediately remove protective film after installation.

Manufacturing Location:

Anoka, MN

Product Size:

Panel Width ————— 22.5" (571.5 mm), Net Coverage: 20.5" (520.7 mm)
Min. Panel Length ——— 36" (914.4 mm)
Max. Panel Length ——— 600" (15.24 m)

UNA-CLAD™ 5V Crimp

Typical Data

<u>Property</u>	<u>Value</u>
Air Uplift Resistance	UL 580 Class 90, UL 1897
Structural Infiltration	ASTM E 283 & E 1680
Performance	ASTM E 330 & E 1592
Static Water Penetration	ASTM E 331 & E 1646
Dynamic Water Penetration	AAMA 501
Fire Rating	UL Class A Rated Assemblies, UL 263 and UL 790
Hail Impact Rating	Class 4, UL 2218
Miami-Dade County	Approved

NOTE: Testing is not applicable for all combinations of substrates, materials, and dimensions. All construction assemblies must be installed in accordance with the tested assembly. Please refer to the Metal Code Approval Guide on the Firestone website for tested assemblies and code listings.

Typical Properties

<u>Material/Thickness</u>	<u>Metal Specification</u>	<u>Available Finish</u>
Aluminum: 0.032" (0.81 mm)	Base Metal: Aluminum Minimum Yield: 21 KSI (145 MPa) Thermal Expansion: 12.6×10^{-6} in/in/ °F (22.2 m/m.K x 10^{-6}) Mod. Of Elasticity: 10.0×10^3 x KSI (68.9 MPa)	Anodized Kynar 500®/Hylar 5000® Unpainted/Mill Finish
Galvanized Steel: 26 ga (0.48 mm) 24 ga (0.64 mm)	Minimum Yield: 33 to 45 KSI (227 to 310 MPa) Thermal Expansion: 06.7×10^{-6} in/in/ °F (13.9 m/m.K x 10^{-6}) Mod. Of Elasticity: 29.0×10^6 x KSI (200 GPa)	Kynar 500®/Hylar 5000® Unpainted G90
Galvalume® Steel: 26 ga (0.48 mm) 24 ga (0.64 mm)	Base Metal: AZ-55 Hot Dipped Galvalume Minimum Yield: 50 KSI (345 MPa) Thermal Expansion: 06.7×10^{-6} in/in/ °F (13.9 m/m.K x 10^{-6}) Mod. Of Elasticity: 29.0×10^6 x KSI (200 GPa)	Acrylume® – Clear Acrylic Coated
Copper: 16 oz (0.56 mm) 20 oz (0.69 mm)	AGSC minimum copper content of 99.9% copper, silver counting as copper, cold rolled from ingots of 122 alloy. Thermal Expansion: 9.3×10^{-6} in/in/ °F (16.5 m/m.K x 10^{-6}) AGSC copper meets and/or exceeds ASTM B370 specification.	Natural

Please contact Firestone Technical Services Department at 1-800-428-4511 for further information.

This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications or other technical documents, subject to normal roof manufacturing tolerances. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.