

TECHNICAL INFORMATION SHEET

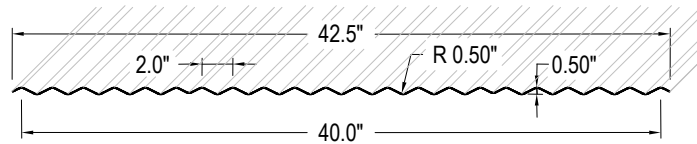
UNA-CLAD UC-601

TIS #2028

Corrugated Panel For Commercial-Industrial Metal Wall and Roof Cladding

Description:

Firestone UNA-CLAD UC-601 Wall Panel is a factory formed corrugated commercial-industrial metal wall and roof panel that provides a traditional metal panel appearance. The UC-601 wall panel is mechanically fastened with exposed fasteners and can be installed in a non-sequential pattern.



Method of Application:

1. Firestone UC-601 panels may be installed in a non-sequential pattern over a solid substrate or 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 Material Safety Data Sheets (MSDS) for safety information.
- Immediately remove protective film after installation.
- Zinc must be worked at 50 °F (10 °C) and rising.

Manufacturing Location:

- Anoka, MN

Product Data:

Joint Design:	Over Lapping
Tapered Panels:	No
Radiused Panels:	No
Standard Panel Surface:	Smooth
Optional Panel Surface:	Stucco Embossed

Product Size:

Panel Width:	42.5" (1079.5 mm) 40.5" (1028.7 mm) Net Coverage*
Minimum Panel Length:	36" (914.4 mm)
Maximum Panel Length:	480" (12,192.0 mm)

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Technical Information:

Air Infiltration:	ASTM E 283 & E 1680
Structural 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

Note: * Net coverage is reduced when fabricated from zinc. 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.

Material and Thickness:	Metal Specification:	Available Finishes:
Galvanized Steel 26 ga. (0.48 mm) 24 ga. (0.64 mm)	Base Metal: AISA-G90 Galvanized steel Minimum Yield: 33 to 45 KSI (227 to 310 MPa) Thermal Expansion: 06.7×10^{-6} in/in/F° ($13.9 \text{ m/m.K} \times 10^{-6}$) 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° ($13.9 \text{ m/m.K} \times 10^{-6}$) Mod. Of Elasticity: 29.0×10^6 x KSI (200 GPa)	Acrylume® – Clear Acrylic Coated
Zinc 0.028" (0.7 mm)	RHEINZINK®: Electrolytic high-grade, 99.995% pure, fine zinc (DIN EN 1179) titanium copper alloy. certified according to DIN ISO 9001: 1994 Thermal Expansion: $2.2 \text{ mm/m} \times 100\text{K}$ ($16.5" \times 10^{-6}$ in/in/F)	Shiny Preweathered Blue-Gray Preweathered Graphite Gray

Note: For standard color selection, consult the current UNA-CLAD Color Selection Guide. Custom color services are available upon request. Consult the current base metal Sheet & Coil T.I.S. for additional information on the base metal and coating. Not all materials and thicknesses are available from all locations.

Please Contact your Firestone Roof System Advisor at 1-800-428-4511 for further information.

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