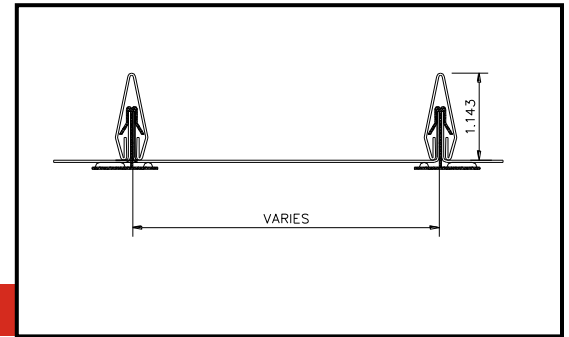


TECHNICAL INFORMATION SHEET

UNA-CLAD™ UC-7

Item Description

Standing Seam Panel



Product Information

Description

Firestone UNA-CLAD UC-7 Roofing Panel is a factory formed, Snap-On Batten, standing seam metal roof panel. The UC-7 roofing panel offers a straightforward installation with the appearance of a thin-line standing seam. The panel is available in a wide variety of materials and finishes including Kynar™ coated G-90 Galvanized Steel and Aluminum, Copper, and Zinc.

Method of Application

1. A smooth, solid substrate of plywood, OSB, or a rigid insulation board mechanically attached to a steel deck is recommended for the Firestone UC-7 metal roof panel.
2. Firestone UC-7 panels may be installed in a non-sequential pattern.
3. Application of a Firestone underlayment prior to panel installation is highly recommended.

NOTE: Install assembly according to Firestone Metal Design and Application Guides found on the Firestone website. Follow approved installation details.

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 from its 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.
- Heavier gauges, narrower widths, striations, and embossing minimize oil canning.
- Sealant for end laps and lap joints shall be non-drying, non-toxic, and non-shrinking with a serviceable temperature of -60 °F 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.

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UNA-CLAD™ UC-7

Manufacturing Location

Anoka, MN

Typical Information

| Property | Value |
|------------------------|--------------------------------------|
| Panel Type | Standing Seam |
| Panel Interlock | Snap-On Batten |
| Tapered Panels | Yes |
| Minimum Slope | 3:12 |
| Radiused | 5' (2438 mm) min Concave* & Convex* |
| Stiffening Ribs | Optional* - Flat ribs or pencil ribs |
| Striations | Optional* |
| Standard Panel Surface | Smooth |
| Optional Panel Surface | Stucco Embossed |
| Clip | UC-7 Hold-Down Clip |
| Substrate | Solid Substrate |
| Panel Width | 12" - 20" (304.8 mm - 508 mm) |
| Optimal Panel Width | 12" & 20" (304.8 mm & 508 mm) |
| Seam Height | 1.143" (29 mm) |
| Minimum Panel Length | 36" (914.4 mm) |
| Maximum Panel Length | 600" (15.24 m) |

*Concave & Convex: Anoka, MN min. R36"

Technical Information

| Property | Value |
|--|---|
| Uplift Resistance | UL 580 Class 90 |
| Structural Performance | ASTM E330 |
| Fire Rating | UL Class A Rated Assemblies, UL 263, UL 790 |
| Hail Rating | Class 4, UL 2218 |
| NOTE: Testing not applicable for all substrates, materials, and dimensions. All systems with test lightings must be installed in accordance with the assembly tested. Refer to Firestone Website for available code listings. | |

TECHNICAL INFORMATION SHEET

UNA-CLAD™ UC-7

| Material & Thickness | Metal Specification | Available Finishes |
|---|---|--|
| ALUMINUM 0.032" (0.81 mm) 0.040" (1.02 mm) | Base Metal: Aluminum Minimum Yield: 21 KSI (145 MPa) Thermal Expansion: 12.6 x 10 ⁻⁶ in/in/ °F (22.2 m/m.K x 10 ⁻⁶) Mod. Of Elasticity: 10.0 x 10 ³ x KSI (68.9 MPa) | Anodized Kynar 500®/Hylar 5000® Unpainted/ Mill Finish |
| GALVANIZED STEEL 26 ga 24 ga 22 ga | Base Metal: AISI-G90 Galvanized steel Minimum Yield: 33 to 45 KSI (227 to 310 MPa) Thermal Expansion: 06.7 x 10 ⁻⁶ in/in/ °F (13.9 m/m.K x 10 ⁻⁶) Mod. Of Elasticity: 29.0 x 10 ⁶ x KSI (200 GPa) | Kynar 500®/Hylar 5000® Unpainted G90 |
| GALVALUME® STEEL 24 ga | Base Metal: AZ-50 Hot Dipped Galvalume Minimum Yield: 50 KSI (345 MPa) Thermal Expansion: 06.7 x 10 ⁻⁶ in/in/ °F (13.9 m/m.K x 10 ⁻⁶) Mod. Of Elasticity: 29.0 x 10 ⁶ x KSI (200 GPa) | Kynar 500®/Hylar 5000® |
| GALVALUME STEEL 26 ga 24 ga 22 ga | Base Metal: AZ-55 Hot Dipped Galvalume Minimum Yield: 50 KSI (345 MPa) Thermal Expansion: 06.7 x 10 ⁻⁶ in/in/ °F (13.9 m/m.K x 10 ⁻⁶) Mod. Of Elasticity: 29.0 x 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 x 10 ⁻⁶ in/in/ °F (16.5 m/m.K x 10 ⁻⁶) AGSC copper meets and/ or exceeds ASTM B370 specification. | Natural Patriot Green™ Freedom Gray™ |
| ZINC 24 ga (0.7 mm) 22 ga (0.8 mm) 20 ga (1.0 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 mm/m x 100K (16.5" x 10 ⁻⁶ in/in/F) | Shiny Pre-weathered Blue-Gray Graphite Gray |

NOTE: Consult current UNA-CLAD Color Selection Guide
 Custom color services available upon request
 Consult current base metal Coil & Flat sheet TIS for additional information on the base metal and coating.
 Not all materials and thicknesses are available from all locations. Contact your Firestone Building Systems Advisor for additional information.

Please contact Technical Services 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.