



## UNA-CLAD UC-6

STANDING SEAM PANEL FOR ARCHITECTURAL  
AND STRUCTURAL METAL ROOFING

### DESCRIPTION:

Firestone UNA-CLAD UC-6 Double-Lock Standing Seam roofing panel utilizes the proven seaming process of Pittsburgh Locking in conjunction with the floating action of a concealed clip assembly. This design allows for expansion & contraction caused by natural elements to provide a virtually leak proof roof with exceptional wind uplift ratings. The panel is available in a wide variety of materials and finishes including Kynar™ coated G-90 Galvanized Steel and Aluminum, Copper, and Zinc. An optional thermally-applied pre-assembly in-seam sealant is available.

### METHOD OF APPLICATION:

1. Firestone UC-6 panels must be installed in a sequential pattern.
2. Application of a Firestone approved underlayment prior to panel installation is recommended when installed over a solid substrate.
3. Panels must be locked in the field by a mechanical seamer.

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

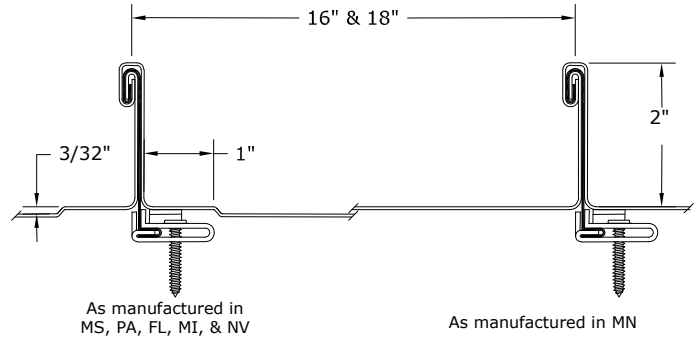
### STORAGE:

1. 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.
2. 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:

1. Oil canning is not a cause for rejection.
2. Heavier gauges, narrower widths, striations, and embossing minimize oil canning.
3. Ensure the mechanical seamer is properly adjusted prior to field seaming to reduce the risk of seam damage.
4. 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.
5. 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.
6. Exercise caution when lifting, moving, transporting, storing or handling Firestone metal to avoid possible physical damage.
7. Refer to Material Safety Data Sheets (MSDS) for safety information.
8. Immediately remove protective film after installation.

### FIRESTONE RED SHIELD WARRANTY AVAILABLE†



### PRODUCT DATA

Panel Type:	Standing Seam
Panel Interlock:	Mechanical Double-Lock
Tapered Panels:	Yes
Minimum Slope:	3:12
Radiused:	No
Stiffening Ribs:	Optional
Striations:	Optional
Sealant:	Optional In-Seam, Thermally Applied
Standard Panel Surface:	Smooth
Optional panel Surface:	Stucco Embossed
Clip:	UC-6 Slotted Clip, UC-6 Super Clip, & UC-6 Fixed Clip
Substrate:	Solid Substrate or Open Framing

### PANEL SIZE

Panel Width:	12" - 24" (304.8 mm - 609.6 mm)
Optimal Panel Width:	18" (406.4 mm)
Seam Height:	2" (38.1 mm)
Min. Panel Length:	36" (914.4 mm)
Max. Panel Length:	600" (15,240 mm)

### TECHNICAL INFORMATION

Uplift Resistance:	UL 580 Class 90*
Uniform Static Air Pressure:	ASTM E1592*
Fire Rating:	UL Class A Rated Assemblies* UL263, UL 790
Hail Rating:	Class 4, UL 2218
Miami-Dade County:	Approved*

†See the Firestone Metal Roof System Design Guide for **Red Shield Warranty** requirements.

\*Testing not applicable for all substrates, materials, and dimensions. All systems with test listings must be installed in accordance with the assembly tested.

# TECHNICAL INFORMATION SHEET

2006  
2/1/2007

**Firestone**  
BUILDING PRODUCTS COMPANY

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MATERIAL & THICKNESS	METAL SPECIFICATION	AVAILABLE FINISHES
<b>ALUMINUM</b> 0.032" 0.040" (MN Only)	Base Metal: Aluminum Minimum Yield: 21 KSI Thermal Expansion: $12.6 \times 10^{-6}$ in/in/F° Mod. Of Elasticity: $10.0 \times 10^3$ x KSI	Anodized Kynar 500®/Hylar 5000® Polyester Unpainted/ Mill finish
<b>GALVANIZED STEEL</b> 26 ga. 24 ga. 22 ga. (MN Only)	Base Metal: AISA-G90 Galvanized steel Minimum Yield: 33 to 45 PSI, KSI Thermal Expansion: $06.7 \times 10^{-6}$ in/in/F° Mod. Of Elasticity: $29.0 \times 10^6$ x KSI	Kynar 500®/Hylar 5000® Siliconized Modified Polyester (SMP) Unpainted G90
<b>COPPER</b> 16 oz. 20 oz.	AGSC minimum copper content of 99.9% copper, silver counting as copper, cold rolled from ingots of 122 alloy. AGSC copper meets and/ or exceeds ASTM B370 specification.	Natural PatriotGreen™, FreedomGray™
<b>ZINC</b> 0.7 mm 0.8 mm 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	Shiny Preweathered Blue-gray Graphite Gray

Note: Consult current color and finish chart.  
Custom color services available upon request.

**Manufacturing Locations:**

Anoka, MN  
 Jackson, MS  
 Morrisville, PA  
 Pompano Beach, FL  
 Warren, MI  
 Reno, NV

**UL listings:**

Refer to Firestone Website for available code listings.



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