



Sample Assembly Shown

1. Firestone UNA-CLAD™ UC-4 Panel
2. Firestone CLAD-GARD™ Underlayment
3. Firestone Fastener with Nylon Washer
4. Firestone UC Bearing Plate
5. Firestone ISO 95+™ GL Insulation
6. Wood Deck

Consult Firestone Technical Specifications, Guides and Details at www.firestonebpco.com

Slope Requirement

Minimum 3:12 slope is required for all Red Shield metal roof systems for warranty.^{5,6}

Construction Type

New construction, complete tear-off, or recover with any wet or damaged materials removed prior to installation. Solid substrate required.

Building Height Limitation

Firestone UNA-CLAD Metal Panel Roofing Systems are limited to buildings 250' (76.2 m) or less.

Other Requirements

As-built projects are not permitted or approved. Firestone requires a Pre-Installation Notice (P.I.N.) 14 days prior to project installation. Install system per Firestone Technical Specifications.

Increased Wind Speed and Codes⁵

Any additional wind speed coverage or codes must be reviewed by a Firestone Roof Systems Advisor.

Deck Requirement

- q Minimum 1/2" Plywood
- q Minimum 7/16" OSB
- q Minimum 1" Tongue and Groove Structural
- q Minimum 1" Wood Plank

Insulation/Coverboard Fastener Type

- q Firestone All Purpose Fastener & Insulation Fastening Plate
- q Firestone Heavy Duty Fastener & Insulation Fastening Plate
- q Firestone HailGard™ Fastener (with HailGard Composite Board, OSB or Plywood only)

Underlayment⁶

- q Firestone CLAD-GARD™ SA Underlayment
- q Firestone CLAD-GARD R Underlayment
- q Firestone CLAD-GARD MA Underlayment restricted to nailable substrates only and slopes greater than 5:12. For slopes between 3:12 and 5:12 CLAD-GARD MA may be used in the field provided the detail areas are completed using CLAD-GARD SA or R type underlayment's.

Bearing Plate⁷

- q UC Bearing Plate, Stainless Steel
- q UC Bearing Plate, Galvanized Steel

Panel Type

Painted Steel

- q 24 ga (0.64 mm)
- q 22 ga (0.79 mm)

Painted Aluminum

- q 0.032" (0.81 mm)
- q 0.040" (1.02 mm)

Acrylume

- q 24 ga (0.64 mm)
- q 22 ga (0.79 mm)

Copper

- q 16 oz. (0.56 mm)
- q 20 oz. (0.69 mm)

Seaming Requirement

All seams are required to include factory applied in-seam sealant.

Trim & Flashing

Trims and flashings may be factory formed or field formed by the licensed Firestone applicator.

Insulation Fastener and Insulation Plate Attachment Rates

Delayed installation of the roof panel system or for systems that are attached to coverboard.

Insulation (Optional)	4' x 8'	Coverboard (Optional)	4' x 8'
Flat Firestone ISO 95+™ GL or RESISTA™ Insulation ⁷	16	Firestone ISOGARD™ HD Cover Board	16
Firestone HailGard™ Composite Board	16	Minimum 1/4" SECUROCK® Gypsum-Fiber ⁸ or DensDeck®/(Prime)	16 (16)
Firestone ISOGARD™ HD Composite Board	16	Minimum 1/2" Plywood	16
		Minimum 7/16" OSB	16

Insulation Fastener and Insulation Plate Attachment Rates

Immediate installation of the roof panel system, fastened through insulation and into the deck.

Insulation (Optional)	4' x 8'	Coverboard (Optional)	4' x 8'
Flat Firestone ISO 95+™ GL or RESISTA™ Insulation ⁷	5	Firestone ISOGARD™ HD Cover Board	5
Firestone HailGard™ Composite Board	5	Minimum 1/4" SECUROCK® Gypsum-Fiber ⁸ or DensDeck®/(Prime)	5 (5)
Firestone ISOGARD™ HD Composite Board	5	Minimum 1/2" Plywood	5
		Minimum 7/16" OSB	5

Notes:

1. Only Firestone brand products are covered in a Red Shield Warranty. The Firestone Warranty does not cover products not supplied by Firestone Building Products. Products or problems associated with the use of non-Firestone supplied products are not covered under the Firestone Warranty.
2. Refer to the Firestone Technical Database at www.firestonebpco.com for additional information regarding UNA-CLAD standing seam roof systems and accessories.
3. Refer to the Firestone RoofGenuity™ tool to create roof assemblies with high-performance Firestone products at www.RoofGenuity.com.
4. DensDeck is a registered trademark of Georgia-Pacific Gypsum LLC. SECUROCK is a registered trademark of USG Corporation.
5. It is the installing contractor's responsibility to follow applicable building codes and specifications.
6. Full application of Firestone CLAD-GARD SA Metal Underlayment or CLAD-GARD R Metal Underlayment is required on installations with slopes less than or equal to 5:12. Firestone CLAD-GARD MA Metal Underlayment may be installed in the field of the roof and CLAD-GARD SA or R Metal Underlayment at all eaves, rakes, ridges, hips, valleys, sidewalls, and around all penetrations on installations with slopes greater than 5:12. Nailable substrates only.
7. UC Bearing Plate required for clip attachment directly over Firestone ISO 95+ GL insulation.
8. SECUROCK Gypsum-Fiber is allowed with CLAD-GARD SA, R and MA. SECUROCK Glass-Mat is only allowed with CLAD-GARD MA.