



Sample Assembly Shown

1. Firestone UNA-CLAD™ UC-3 Panel
2. Firestone CLAD-GARD™ Underlayment
3. Firestone UC-3 Stainless Steel Expansion Clip
4. Firestone UC Bearing Plate
5. Firestone ISO 95+™ GL Insulation
6. Steel 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 22 Gauge Steel Deck

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

Clip Requirement

- q Firestone UC-3 Expansion Clip, Stainless Steel
- q Firestone UC-3 Super Clip, Galvanized Steel
- q Firestone UC-3 Super Clip, Stainless Steel
- q Firestone UC-3 Super Clip, Galvanized Steel ENK
- q Firestone UC-3 Super Clip, Stainless Steel ENK

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)

Zinc

- q 24 ga (0.027") (0.7 mm)
- q 22 ga (0.032") (0.8 mm)
- q 20 ga (0.040") (1.0 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.

All seams are required to be double-locked. Panels must be locked in the field by a mechanical seamer.

Trim & Flashing

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

Insulation Fastener and Insulation Plate Attachment Rates – Insulation or Coverboard is Required

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

Insulation	4' x 8'	Coverboard	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 – Insulation or Coverboard is Required

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

Insulation	4' x 8'	Coverboard	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 or 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.