



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™/ ISOGARD GL™ Insulation
6. Steel Deck

Sample Assembly Shown

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.

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 (PIN) 14 days prior to project installation. Install system per Firestone Technical Specifications.

Increased Wind Speed and Codes

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

Deck Requirement

- Minimum 22 Gauge Steel Deck

Insulation/ Coverboard Fastener Type

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

Underlayment

Max. 25 Year Warranty:

- Firestone CLAD-GARD SA Underlayment
- Firestone CLAD-GARD R Underlayment

30 Year Warranty:

- Firestone CLAD-GARD SA Underlayment

Clip Requirement

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

Bearing Plate

- UC Bearing Plate, Stainless Steel

Panel Type

Painted Steel

- 24 ga (0.6 mm)
- 22 ga (0.79 mm)

Painted Aluminum

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

Zinc

- 22 ga (0.032") (0.8 mm)
- 20 ga (0.040") (1.0 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.

Acrylume

- 24 ga (0.6 mm)
- 22 ga (0.79 mm)

Copper

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

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/ ISOGARD GL or RESISTA/ ISOGARD CG Insulation	16	Firestone ISOGARD HD Cover Board	16
Firestone HailGard/ ISOGARD HG Composite Board	16	Minimum ¼" SECUROCK® Gypsum-Fiber or DensDeck®/(Prime)	16 (16)
Firestone ISOGARD HD Composite Board	16	Minimum ½" 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/ ISOGARD GL or RESISTA/ ISOGARD CG Insulation	5	Firestone ISOGARD™ HD Cover Board	5
Firestone HailGard/ ISOGARD HG Composite Board	5	Minimum ¼" SECUROCK® Gypsum-Fiber or DensDeck®/(Prime)	5 (5)
Firestone ISOGARD HD Composite Board	5	Minimum ½" Plywood	5
		Minimum 7/16" OSB	5

- NOTE:**
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. DensDeck is a registered trademark of Georgia-Pacific Gypsum LLC. SECUROCK is a registered trademark of USG Corporation.
 4. It is the installing contractor's responsibility to follow applicable building codes and specifications.
 5. For 25 Year Warranties, CLAD-GARD SA or R Underlayment must be used with double layer detailing at all eaves, rakes, ridges, hips, valleys, sidewalls, and around all penetrations on installations with slopes greater than 5:12. For 30 Year Warranties, CLAD-GARD SA Underlayment must be used with double layer detailing at these areas.
 6. UC Bearing Plate required for clip attachment directly over Firestone ISO 95+ GL insulation/ ISOGARD GL.
 7. SECUROCK Gypsum-Fiber is allowed with CLAD-GARD SA, R and MA. SECUROCK Glass-Mat is only allowed with CLAD-GARD MA.