



Sample Assembly Shown

1. Firestone RubberGard™ EPDM Membrane
2. Mechanical Attachment Method
3. Mechanically Attached or Adhered Cover Board (Optional)
4. Mechanically Attached or Adhered Insulation
5. Concrete Deck

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

Slope Requirement

Positive slope required for warranty.⁵

Construction Type

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

Building Height Limitation

Firestone RubberGard™ EPDM Mechanically Attached Systems are limited to buildings 120' (36.6 m) or less.

Use of Air Barrier

An air barrier is required for projects with large wall openings greater than 10% of the total wall area. If air barrier is used, use the fully adhered insulation attachment rates.

Base Tie-Ins

Must be attached to substrates which provide a minimum of 200 lbf (1 kN) in any direction.

Increased Wind Speed and Codes

Any wind speed coverage exceeding 55 mph (88 km/h) or projects with codes requirements must be reviewed by a Firestone Roof Systems Advisor.

Deck Requirement

- Minimum 3000 psi Structural Concrete

Fastener Type

- Firestone Heavy Duty Fastener
- Firestone Concrete Drive Fastener
- Firestone HailGard™ Fastener (with HailGard Composite Board or OSB only)

Insulation Adhesive*

- Firestone I.S.O. Twin Pack™ Insulation Adhesive
- Firestone I.S.O.Spray™ S Insulation Adhesive
- Firestone I.S.O. Fix™ II Insulation Adhesive
- Firestone I.S.O.Stick™ Insulation Adhesive

*Note: Max. 4' x 4' boards must be used when attaching insulation with adhesives.

Adhesive Attachment

- Bead Spacing: F: 12", P: 12", C: 12"
- Full Application (I.S.O.Spray S Insulation Adhesive)

Membrane Requirement

Max. 15 Year Warranty:

- RubberGard EPDM, Any Thickness
- RubberGard MAX EPDM, Any Thickness

20 Year Warranty:

- RubberGard EPDM, Minimum 0.060"
- RubberGard MAX EPDM, Any Thickness

Seaming Requirement

Minimum 6" QuickSeam™ Splice Tape in side and end laps. QuickSeam Joint Covers are required at all joints and at angle changes 1:12 or greater.

Membrane Attachment

- Maximum 10' o.c. Row Spacing, Fasteners Spaced Maximum 12" o.c.

Edge Metal System

- Firestone EdgeGard™ System
- Firestone AnchorGard™ System
- Firestone Coping System
- Firestone Termination Bar
- Firestone Aluminum Drain Bar

Insulation Fastener and Insulation Plate Attachment Rates – Field Rates for Standard 55 mph Wind Speed

Insulation (Top Layer)	4' x 8'	Coverboard (Optional)	4' x 8'
1.0" to 1.4" Firestone ISO 95+™ GL or RESISTA™ Insulation	5	1/2" or 1.0" FiberTop Wood Fiber Board (Max. 15 Year Warranty)	5
1.5" to 1.9" Firestone ISO 95+ GL or RESISTA Insulation	5	Firestone ISOGARD™ HD Cover Board	5
2.0" to 4.0" Firestone ISO 95+ GL or RESISTA Insulation	5	1/4" SECUROCK® Glass-Mat or DensDeck® / (Prime)	5 5/(5)
Firestone HailGard™ Composite Board	5	1/2" SECUROCK Glass-Mat or DensDeck / (Prime)	5 5/(5)
Firestone ISOGARD™ HD Composite Board	5	5/8" SECUROCK Glass-Mat or DensDeck / (Prime)	5 5/(5)

Detail Description

Wall Terminations:	Firestone Termination Bar with AP Sealant applied along the caulk lip. Surface mounted or inserted counter flashing may also be used in accordance with current Firestone details.
Curb & Wall Flashings:	Curbs, walls, and expansion joints must be anchored with appropriate base tie-in detail, using QuickSeam Reinforced Perimeter Fastening Strip (RPF) and Batten Strip or 2" Metal Seam Plates. Curbs and walls must be flashed using one ply minimum 0.045" RubberGard EPDM, QuickSeam Curb Flashing, or 18" QuickSeam SA Flashing.
Corners:	QuickSeam Corner Flashing or 9" QuickSeam FormFlash™ Flashing may be used.
Roof Edges/Parapets:	Firestone AnchorGard™ or EdgeGard™ Fascia or Drain Bar systems. ANSI/SPRI ES-1 rated edge metal may also be used.
Penetrations:	Flash with QuickSeam Pipe Flashing, QuickSeam EPDM Penetration Pocket, or field fabricate with EPDM flashing.

Notes:

1. Only Firestone brand products are covered in a Red Shield warranty.
2. Refer to the Firestone Technical Database at www.firestonebpco.com for additional information regarding RubberGard EPDM Roof Systems.
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.
5. It is the installing contractor's responsibility to follow applicable building codes.
6. SECUROCK is a registered trademark of USG Corporation.