



1. Firestone EcoWhite™ EPDM Membrane
2. Fully Adhered with Bonding Adhesive
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 EcoWhite™ EPDM Adhered Systems are limited to buildings 250' (76.2 m) or less..

Use of Air Barrier

An air barrier is recommended for projects with large wall openings greater than 10% of the total wall area.

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
- Asphalt (III) (Max. 15 Year Warranty)
- Asphalt (IV or SEBS)

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

Adhesive Attachment

Max. 15 Year Warranty:

- Bead Spacing: F: 12", P: 12", C: 12"

20 Year Warranty:

- Bead Spacing: F: 12", P: 6", C: 4"
- Full Application (I.S.O. Spray S Insulation Adhesive)

Membrane Requirement

EcoWhite EPDM, Minimum 0.060"

Seaming Requirement

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

Firestone Membrane Adhesive

- EPDM Bonding Adhesive BA-2004 (T)
- Single-Ply LVOC Bonding Adhesive
- Single-Ply LVOC Bonding Adhesive 1168
- Water Based Bonding Adhesive (P) (Max. 15 Year Warranty)
- Solvent Free Bonding Adhesive (Max. 20 Year Warranty on .060 and .090 mil)

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	16	½" or 1.0" FiberTop Wood Fiber Board (Max. 15 Year Warranty)	16
1.5" to 1.9" Firestone ISO 95+ GL or RESISTA Insulation	12	Firestone ISOGARD™ HD Cover Board	12
2.0" to 4.0" Firestone ISO 95+ GL or RESISTA Insulation	8	¼" SECUROCK® Gypsum-Fiber or DensDeck® / (Prime)	16 16/(12)
Firestone HailGard™ Composite Board	16	½" SECUROCK Gypsum-Fiber or DensDeck / (Prime)	12 12/(10)
Firestone ISOGARD™ HD Composite Board	8	5/8" SECUROCK Gypsum-Fiber or DensDeck / (Prime)	8 8/(8)

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 EcoWhite EPDM Membrane, EcoWhite EPDM QuickSeam Curb Flashing, or 18" EcoWhite EPDM QuickSeam SA Flashing.
Corners:	EcoWhite EPDM QuickSeam Corner Flashing or EcoWhite 12" QuickSeam 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 EcoWhite EPDM QuickSeam Pipe Flashing, EcoWhite EPDM QuickSeam Penetration Pocket, or EcoWhite EPDM QuickSeam 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 RoofGeniuty™ tool to create roof assemblies with high-performance Firestone products at www.RoofGeniuty.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.