



1. Firestone RubberGard™ EPDM Membrane
2. Ballasted with Stone or Pavers
3. Loose Laid Cover Board (Optional)
4. Loose Laid Insulation
5. Approved Deck

Consult Firestone Technical Specifications, Guides and Details at [www.firestonebpco.com](http://www.firestonebpco.com)

*Sample Assembly Shown*

**Slope Requirement**

Positive slope required for warranty.<sup>5</sup>

**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 Ballasted Systems with stone ballast are limited to buildings 75' (23 m) or less. The Firestone Ballast paver System is limited to buildings 250' (76 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 22 Gauge Steel
- Minimum 3000 psi Structural Concrete
- Minimum 2.0" Cementitious Wood Fiber
- Minimum 2.0" Gypsum
- Minimum ½" Plywood
- Minimum 7/16" OSB

**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**

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

**Ballast Type & Coverage Rate<sup>5</sup>**

- Stone:** Minimum 10 lb/ft<sup>2</sup> (48.8 kg/m<sup>2</sup>) ¾" to 1 ½" (19 to 38 mm) diameter stone, meeting ASTM D 448 size #4, ASTM C 136 test method.
- Concrete Paver:** Minimum 12 lb/ft<sup>2</sup> (58 kg/m<sup>2</sup>) with maximum space of ½" (25.4 mm) between pavers.

**Edge Metal System**

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

**Acceptable Insulation**

Insulation (Top Layer)	4' x 8'
1.0" to 1.4" Firestone ISO 95+™ GL or RESISTA™ Insulation	Loose Laid
1.5" to 1.9" Firestone ISO 95+ GL or RESISTA Insulation	Loose Laid
2.0" to 4.0" Firestone ISO 95+ GL or RESISTA Insulation	Loose Laid
½" or 1.0" FiberTop Wood Fiber Board (Max. 15 Year Warranty)	Loose Laid

**Note:** Do not ballast directly to a hard surface, such as concrete, gypsum, OSB, HailGard™ Composite Board, or ISOGARD™ HD Cover Board.

**Detail Description**

<b>Wall Terminations:</b>	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.
<b>Curb &amp; Wall Flashings:</b>	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.
<b>Corners:</b>	QuickSeam Corner Flashing or 9" QuickSeam FormFlash™ Flashing may be used.
<b>Roof Edges/Parapets:</b>	Firestone AnchorGard™ or EdgeGard™ Fascia or Drain Bar systems. ANSI/SPRI ES-1 rated edge metal may also be used.
<b>Penetrations:</b>	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](http://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](http://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.