



1. Firestone RubberGard™ EPDM Membrane
2. Paver or Stone Ballast
3. Loose Laid Insulation Layers
4. Approved Deck

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

Slope Requirement

Positive slope required for warranty.

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 code requirements must be reviewed by a Firestone Building 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 .060"
- RubberGard MAX EPDM, Any Thickness

Seaming Requirement

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

Ballast Type & Coverage Rate

- Stone:** Minimum 10 lb/ft² (48.8 kg/m²) ¾" to 1 ½" (19 to 38 mm) diameter stone, meeting ASTM D448 size #4, ASTM C136 test method.
- Concrete Paver:** Minimum 12 lb/ft² (58 kg/m²) with maximum space of 1/2" (25.4 mm) between pavers.

Edge Metal System

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

Acceptable Insulation

| Insulation (Top Layer) | 4' x 8' |
|---|------------|
| 1.0" to 1.4" Firestone ISOGARD GL / ISO 95+ GL or ISOGARD GC / Resista Insulation | Loose Laid |
| 1.5" to 1.9" Firestone ISOGARD GL / ISO 95+ GL or ISOGARD GC / Resista Insulation | Loose Laid |
| 2.0" to 4.0" Firestone ISOGARD GL / ISO 95+ GL or ISOGARD GC / Resista Insulation | Loose Laid |
| 1/2" Structodek® High Density Wood Fiber Board (max. 15 year warranty) | Loose Laid |

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

Detail Description

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| Wall Terminations: | Firestone Termination Bar with optional surface mounted or reglet inserted counterflashing may 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 2" Metal Seam Plates (see current details for alternate base tie-ins). Curbs and walls must be flashed using one ply minimum .045" RubberGard EPDM, QuickSeam Curb Flashing, or 18" QuickSeam SA Flashing. |
| Corners: | QuickSeam Corner Flashing or QuickSeam FormFlash™. |
| Roof Edges/Parapets: | Firestone AnchorGard or EdgeGard Fascia, Drain Bar, Firestone Coping or UNA-EDGE systems. |
| Penetrations: | Flash with QuickSeam Pipe Flashing, QuickSeam EPDM Penetration Pocket, field fabricate with EPDM QuickSeam FormFlash or use liquid flashing details. |

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. It is the installing contractor's responsibility to follow applicable building codes.
4. Structodek is a registered trademark of Blue Ridge Fiberboard, Inc.