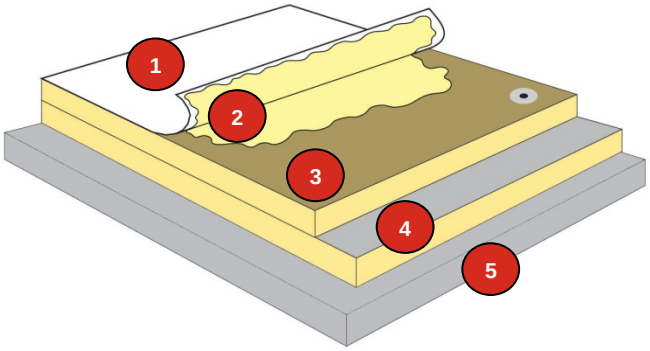
EcoWhite™ EPDM Membrane
Fully Adhered, LWIC Deck

30 Year
Red Shield Platinum™
Warranty



1. Firestone EcoWhite™ Platinum™ EPDM Membrane
2. Fully Adhered with Bonding Adhesive
3. Mechanically Attached or Adhered Cover Board (Optional for Platinum P, Required for Platinum PH and Platinum PHW)
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 or complete tear-off down to a sound structural deck.

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

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

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

Membrane Requirement
- ❑ EcoWhite Platinum EPDM, 0.090"

Seaming Requirement
3" EcoWhite EPDM QuickSeam™ Splice Tape stripped in with EcoWhite EPDM QuickSeam 6" Flashing OR 6" 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

Edge Metal System
- ❑ Firestone EdgeGard™ System
- ❑ Firestone AnchorGard™ System
- ❑ Firestone Coping System

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

Insulation (Top Layer)	4' x 8'	Coverboard (Optional for Platinum P, Required for Platinum PH and PHW)	4' x 8'
1.0" to 1.4" Firestone ISO 95+™ GL or RESISTA™ Insulation	16	Firestone ISOGARD™ HD Cover Board	16
1.5" to 1.9" Firestone ISO 95+ GL or RESISTA Insulation	16	¼" SECUROCK® Gypsum-Fiber or DensDeck® / (Prime)	16 16/(16)
2.0" to 4.0" Firestone ISO 95+ GL or RESISTA Insulation	16	½" SECUROCK Gypsum-Fiber or DensDeck / (Prime)	16 16/(16)
Firestone HailGard™ Composite Board	16	5/8" SECUROCK Gypsum-Fiber or DensDeck / (Prime)	16 16/(16)
Firestone ISOGARD™ HD Composite Board	16		

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 30 year 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 0.060" EcoWhite EPDM Membrane, EcoWhite EPDM QuickSeam Curb Flashing, or 18" EcoWhite EPDM QuickSeam SA Flashing, per current Firestone 30 year details.
Corners:	EcoWhite EPDM QuickSeam Corner Flashing or EcoWhite 12" QuickSeam Flashing may be used, per current Firestone 30 Year details.
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, per current Firestone 30 Year 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. *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.*

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