



1. Firestone UltraPly Platinum™ TPO Membrane
2. Adhered with Bonding Adhesive
3. Mechanically Attached or Adhered Cover Board (Optional for Platinum and Platinum P, Adhered 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](http://www.firestonebpco.com)

**Slope Requirement**

Positive slope required for warranty.

**Construction Type**

New construction or complete tear-off down to a sound structural deck.

**Building Height Limitation**

Firestone UltraPly TPO Adhered Systems are limited to buildings 250' (76.2 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.

**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 Technical Services Advisor.

**Deck Requirement**

Minimum 3000 psi Structural Concrete

**Fastener Type**

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

**Insulation Adhesive\***

- Firestone I.S.O. Twin Pack™ Insulation Adhesive
- Firestone I.S.O. Spray™ R Insulation Adhesive
- Firestone I.S.O. Fix™ II Insulation Adhesive
- Firestone I.S.O. Stick™ / Twin Jet 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 R Adhesive)

**Membrane Requirement**

UltraPly Platinum TPO, .080"

**Seaming Requirement**

Firestone Single Weld OR WideWeld™ System (use robot welder). Joint covers are required at all T joints and at angle changes 1:12 or greater.

**Firestone Membrane Adhesive**

- UltraPly Bonding Adhesive
- Single-Ply LVOC Bonding Adhesive
- Single-Ply LVOC Bonding Adhesive 1168

**Edge Metal System**

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

**Insulation Mechanical Attachment Rates for Standard 55 mph Wind Speed**

Insulation (Top Layer)	4' x 8'	Coverboard (Optional for Platinum or Platinum P, Adhered Required for Platinum PH and PHW)	4' x 8' (4' x 4')
1.0" to 1.4" Firestone ISOGARD™ GL / ISO 95+ GL or ISOGARD GC / Resista Insulation	16	Firestone ISOGARD HD Cover Board	16
1.5" to 1.9" Firestone ISOGARD GL / ISO 95+ GL or ISOGARD GC / Resista Insulation	16	1/4" SECUROCK® Gypsum-Fiber or DensDeck® / (Prime)	16
2.0" to 4.0" Firestone ISOGARD GL / ISO 95+ GL or ISOGARD GC / Resista Insulation	16	1/2" SECUROCK Gypsum-Fiber or DensDeck / (Prime)	16
Min. 1.5" Firestone ISOGARD HG / HailGard™ Composite Board	16	5/8" SECUROCK Gypsum-Fiber or DensDeck / (Prime)	16
Firestone ISOGARD HD Composite Board	16		

**Detail Description – QuickSeam Details are not permitted on 30 Year TPO Systems**

<b>Wall Terminations:</b>	Firestone Termination Bar with surface mounted or inserted counter flashing in accordance with current Firestone 30 year details.
<b>Curb &amp; Wall Flashings:</b>	Curbs, walls, and expansion joints must be anchored with appropriate base tie-in detail, using HD Seam Plates and HD Fasteners. Curbs and walls must be flashed using a minimum 0.060" UltraPly TPO Membrane, or UltraPly TPO 18" Curb Flashing, per current Firestone 30 year details. Flashings must be sealed with welded details only and may include UltraPly TPO Coated Metal.
<b>Corners:</b>	UltraPly TPO Inside/Outside Corners, per current Firestone 30 year details.
<b>Roof Edges/Parapets:</b>	Firestone AnchorGard or EdgeGard Fascia or Drain Bar systems, Firestone Coping System or UltraPly TPO Coated Metal. Complete per current Firestone 30 year details.
<b>Penetrations:</b>	Flash with welded UltraPly Pipe Flashing, welded UltraPly TPO Penetration Pocket, or UltraPly TPO Unsupported 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](http://www.firestonebpco.com) for additional information regarding UltraPly TPO Roof Systems.
3. DensDeck is a registered trademark of Georgia-Pacific Gypsum LLC.
4. It is the installing contractor's responsibility to follow applicable building codes.
5. SECUROCK is a registered trademark of USG Corporation.