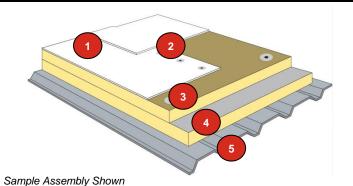


UltraPly™ TPO Membrane Mechanically Attached, Steel Deck

25 Year Red Shield Medallion™ Warranty



- Firestone UltraPly™ TPO Membrane
- Mechanical Attachment Method
- Mechanically Attached or Adhered Cover Board (Optional)
- Mechanically Attached or Adhered Insulation
- Steel 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 UltraPly™ TPO Mechanically Attached Systems are limited to buildings 120' (36.6 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. If air barrier is used, use the fully adhered insulation attachment rates.

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

Fastener Type

- ☐ Firestone Heavy Duty Fastener
- ☐ Firestone Heavy Duty Plus Fastener
- ☐ Firestone HailGard™ Fastener (with HailGard Composite Board or OSB only)

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. Cleaning of the metal deck may be required to remove processing oils from manufacturing.

Adhesive Attachment

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

Membrane Requirement

- ☐ UltraPly TPO, Minimum 0.060"☐ ReflexEON™ TPO, Minimum 0.060"
- □ UltraPly Platinum™ TPO. 0.080"
- □ ReflexEON Platinum™ TPO, 0.080"

Seaming Requirement

Firestone 1.5" Single Weld System (use robot welder) OR 5" Firestone WideWeld™ System. ☐ Firestone I.S.O. Twin Pack™ Insulation Adhesive Joint covers are required at all joints and at angle changes 1:12 or greater.

Membrane Attachment

■ Maximum 12' Row Spacing, Fasteners Spaced Maximum 6" o.c.

Rev. 3/29/2013

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

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Insulation (Top Layer)	4' x 8'	Coverboard (Optional)	4' x 8'
1.0" to 1.4" Firestone ISO 95+™ GL or RESISTA™ Insulation	5	Firestone ISOGARD™ HD Cover Board	5
1.5" to 1.9" Firestone ISO 95+ GL or RESISTA Insulation	5	1/4" SECUROCK® Glass-Mat or DensDeck® / (Prime)	5 5/(5)
2.0" to 4.0" Firestone ISO 95+ GL or RESISTA Insulation	5	1/2" SECUROCK Glass-Mat or DensDeck / (Prime)	5 5/(5)
Firestone HailGard™ Composite Board	5	5/8" SECUROCK Glass-Mat or DensDeck / (Prime)	5 5/(5)
Firestone ISOGARD™ HD Composite Board	5		

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 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 Firestone 30 year details. Flashings may be sealed with welded details only. Details may include UltraPly TPO Coated Metal.	
Corners:	UltraPly TPO Inside/Outside Corners, 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 / Firestone Coping System or UltraPly TPO Coated Metal. Complete per Firestone 30 year details.	
Penetrations:	Flash with UltraPly Pipe Flashing (weldable), UltraPly TPO Penetration Pocket, or UltraPly TPO Unsupported Flashing, per current Firestone 30 year details.	

- Only Firestone brand products are covered in a Red Shield warranty.
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 Refer to the Firestone Technical Database at www.firestonebpco.com for additional information regarding UltraPly TPO Roof Systems.

 Refer to the Firestone RoofGenuity™ tool to create roof assemblies with high-performance Firestone products at www.RoofGenuity.com
- DensDeck is a registered trademark of Georgia-Pacific Gypsum LLC. It is the installing contractor's responsibility to follow applicable building codes.
- SECUROCK is a registered trademark of USG Corporation.

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