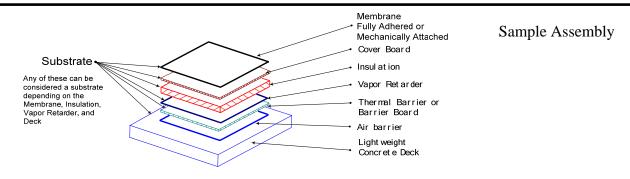


# **Lightweight Insulating Concrete Deck Specifications** Adhered / Ballasted 6 / Mechanically Attached UltraPly TPO



Consult the Firestone Technical Database for specific installation and warranty requirements

	Insulation		Insulation Attachment		Membrane
30 YEAR	☐ I.S.O. 95+ GL ☐ Tapered I.S.O. 95+ GL ☐ Dens Deck (4) ☐ Dens Deck Prime (4) ☐ HailGard (8)	30 YEAR		30 YEAR	☐ UltraPly Platinum TPO .080 ☐ ReflexEON Platinum TPO .080
20 YEAR	☐ I.S.O. 95+ GL ☐ Tapered I.S.O. 95+ GL ☐ Dens Deck ( <sup>4,5</sup> ) ☐ Dens Deck Prime ( <sup>4,5</sup> ) ☐ HailGard ( <sup>5,8</sup> )	20 YEAR	☐ Heavy Duty Fasteners ☐ HailGard Fasteners ☐ Firestone ISO Twin Pack (2) ☐ Firestone ISO Spray Adhesive (2) ☐ Firestone ISO-FIX Adhesive (2, 3) ☐ Loose Laid (7)	20 YEAR	☐ UltraPly Platinum TPO .080 <sup>(1)</sup> ☐ UltraPly TPO .060 <sup>(1)</sup> ☐ UltraPly TPO XR 115 <sup>(1)</sup> ☐ ReflexEON Platinum TPO .080 <sup>(1)</sup> ☐ ReflexEON .060 or .080 <sup>(1)</sup>
15 YEAR AND LESS	☐ I.S.O. 95+ GL ☐ Tapered I.S.O. 95+ GL ☐ Dens Deck (4,5) ☐ Dens Deck Prime (4,5) ☐ FiberTop Woodfiber ☐ FiberTop Woodfiber Composite ☐ HailGard (5,8)	15 YEAR RECOVER		15 YEAR AND LESS	☐ UltraPly Platinum TPO .080 <sup>(1)</sup> ☐ UltraPly TPO .045 or .060 <sup>(1)</sup> ☐ UltraPly TPO XR 110 or 115 <sup>(1)</sup> ☐ ReflexEON Platinum TPO .080 <sup>(1)</sup> ☐ ReflexEON TPO.060 or .080 <sup>(1)</sup>
		15 YEAR AND LESS	☐ Heavy Duty Fasteners ☐ HailGard Fasteners ☐ Firestone ISO Twin Pack (2) ☐ Firestone ISO Spray Adhesive (2) ☐ Firestone ISO-FIX Adhesive (2, 3) ☐ Loose Laid (7)		

### Notes:

### Footnotes:

- 1. The new roof membrane can be directly adhered to a Structural Concrete deck, New Cover Board, new insulation, or a combination of the above. See the Firestone Technical Database for specific installation requirements.
- Max Size Insulation Board 4'x4'.
   Pull Test required on deck if ISO-FIX Adhesive is used to attach Insulation to deck.
- Acceptable for use in 4'x8' attachment with Twin Pack Adhesive
- 5. Not acceptable for top layer of insulation in Ballasted assembly
- 6. Ballasted Systems are not acceptable for 30 year warranties.
- Loose laid insulation is only acceptable in Ballasted Assemblies
- 8. HaiGard Insulation can only be attached using approved Firestone Fasteners.

### **Building Height Limitations:**

Refer to the Firestone Technical Database for Building Height limitations for Firestone Adhered and Mechanically Attached Systems

# Base Tie-Ins:

Must be constructed using the QuickSeam RPF Strip.

### Slope Requirements:

• Minimum 1/8" slope recommended to promote positive drainage. Firestone Recommends a minimum of 1/4" slope.

## Use of Air Barrier:

 An air barrier is required for projects with large openings that are greater than 10% of the total wall area that can be left open in a storm. Criteria to be determined based upon Firestone's Review.

### Seam Construction:

• Side Laps and End Laps: Minimum 3" QuickSeam Splice Tape with QuickSeam Joint Covers at all "T" joints and wall intersections.

### Sheet Metal:

- Firestone Metal Edge System
- Shop Fabricated pre-finished G-90 Galvanized Steel, Stainless Steel, Anodized or Extruded Aluminum.
- Other Requirements:
- As-Built projects not permitted. Firestone requires a Pre-Installation Notice 14 days prior to project installation.
- System installation per Firestone Technical Database

The Firestone Warranty does not cover products not supplied by Firestone Building

Products or problems associated with the use of non-Firestone supplied products are not covered under the Firestone Warranty