



1. Flood Coat and Gravel or Coating
2. Firestone Ply IV or Ply VI Sheets
3. ASTM D 312 Type III or Type IV Asphalt
4. Appropriate Cover Board
5. Appropriate Firestone Insulation

**NOTE:**

The sample assembly shown is generic. Consult the Firestone website or your Building System Advisor for specific warranty requirements regarding fastening patterns, adhesive bead spacing, etc.

Consult Firestone Technical Specifications, Guides and Details at [www.firestonebpco.com](http://www.firestonebpco.com).

**Deck Requirement**

- Min. ½" (1.3 cm) Plywood/OSB
- Min. 1" (2.5 cm) Wood Plank
- Min. 2" (5 cm) Poured Gypsum
- Min. 2" (5 cm) Cementitious Wood Fiber
- Min. 22-gauge Steel
- Min. 3,000 psi (20.7 MPa) Structural Concrete

**Slope Requirement**

- Positive slope required
- ≥ ¼" (2.1 %) required for warranties ≥ 20 years

**Insulation<sup>1</sup>**

- Appropriate Firestone Insulation

**Insulation Attachment<sup>2</sup>**

- Appropriate Firestone Fasteners & Plates
- Full mopping of Firestone-approved Type III or IV asphalt

**Insulation Attachment<sup>2</sup> (continued)**

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

**Cover Board (optional)**

- Firestone ISOGARD™ HD Cover Board<sup>3</sup>
- DensDeck® Prime<sup>4,7</sup>
- Securock® Gypsum-Fiber Roof Board<sup>9</sup>
- Structodek® HD Fiberboard Roof Insulation<sup>8</sup> (≤ 20 year warranties only)

**Membrane Attachment**

- Full mopping of ASTM D 312 Type III or IV asphalt (Type IV required for warranties ≥ 20 years)

**Surfacing**

- Flood coat and gravel
- Firestone Aluminum Fibered Roof Coating (requires maintenance agreement)
- AcryliTop™ PC-100 (requires maintenance agreement)

**Warranty Options<sup>5,6</sup>**

	Optional Base Sheet	Fully Mopped Ply Sheets	Flashings (Apply in Firestone MB Multi-Purpose Flashing Cement, hot asphalt, or torch)
5 – 10 Year Red Shield	<input type="checkbox"/> MB Base (fully mopped or set in Firestone MB Multi-Purpose Cold Adhesive) <input type="checkbox"/> BaseGard SA	3 plies (2 if an adhered base sheet was used) <input type="checkbox"/> Ply IV <input type="checkbox"/> Ply VI	<input type="checkbox"/> One ply of fully-adhered Firestone SBS granule-surfaced cap sheet
15 Year Red Shield			4 plies (3 if an adhered base sheet was used) <input type="checkbox"/> Ply IV <input type="checkbox"/> Ply VI
20 Year Red Shield			

1. Max. 4' x 4' boards when attaching insulation or cover boards with adhesives.
2. A pull test is required when using fasteners/plates or adhesives.
3. ISOGARD HD may not be installed with hot asphalt.
4. It is not recommended to encapsulate DensDeck in hot asphalt. When mopping to DensDeck, the MAXIMUM hot asphalt temperature is 450 °F (232 °C).

5. Only Firestone brand products are covered in a Red Shield warranty.
6. It is the installing contractor's responsibility to follow applicable building codes.
7. DensDeck is a registered trademark of Georgia-Pacific Gypsum LLC.
8. Structodek is a registered trademark of Blue Ridge Fiberboard, Inc.
9. Securock is a registered trademark of United States Gypsum Company.

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