



1. Firestone Granule-Surfaced APP Cap Sheet
2. Firestone APP Base Sheet
3. Firestone Multi-Purpose MB Cold Adhesive
4. Asphalt Primer (ASTM D 41)
5. 3,000 psi (20.7 MPa) Structural Concrete Deck

The sample assembly shown is generic. Consult the Firestone website or Firestone Technical Services 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. 3,000 psi (20.7 MPa) Structural Concrete

**Slope Requirement**

- Positive slope required
- $\geq \frac{1}{4}$ " (2.1 %) required for warranties  $\geq$  20 years

**Insulation (optional)**

- Appropriate Firestone Insulation

**Insulation Attachment**

- Firestone Concrete Drive Fasteners & Plates
- Firestone Heavy Duty or Heavy Duty Plus Fasteners & Plates
- Full mopping of ASTM D 312 Type III or IV asphalt

**Insulation Attachment (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

**Cover Board (optional)**

- Firestone ISOGARD™ HD Cover Board
- DensDeck® Prime
- Securock® Gypsum-Fiber Roof Board
- Structodek® HD Fiberboard Roof Insulation ( $\leq$  20 year warranties only)

**Membrane Attachment**

- Self-adhered
  - Firestone MB Multi-Purpose Cold Adhesive
- Surfacing**
- APP granule-surfaced cap sheet
  - APP granule-surfaced cap sheet coated with AcryliTop™ PC-100

**NOTE:** An UltraWhite™ cap sheet or AcryliTop PC-100 Coating is required for a 25 year Red Shield Warranty. Wait 6 months before installing AcryliTop when Firestone MB Multi-Purpose Cold Adhesive is used.

**Warranty Options**

	Fully Adhered Cool Base Sheet	Fully Adhered Cool Cap Sheet	Flashings (Apply in MB Multi-Purpose Flashing Cement)
5 - 10 Year Red Shield	Optional on concrete deck; choose from below if desired.		<input type="checkbox"/> One ply of fully-adhered Firestone APP granule-surfaced Cool cap sheet
15 - 20 Year Red Shield	<ul style="list-style-type: none"> <li><input type="checkbox"/> BASEGARD™ SA (self-adhere)</li> <li><input type="checkbox"/> APP Premium Base</li> <li><input type="checkbox"/> APP 160 Cool</li> <li><input type="checkbox"/> APP 170 Cool</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> APP 180 Cool</li> <li><input type="checkbox"/> APP 180 FR Cool</li> </ul>	Two plies, consisting of: <ul style="list-style-type: none"> <li><input type="checkbox"/> One ply of fully-adhered APP Cool base sheet, <u>AND</u></li> <li><input type="checkbox"/> One ply of fully-adhered APP granule-surfaced Cool cap sheet, <u>OR</u></li> <li><input type="checkbox"/> UltraFlash™ One-Part Liquid Flashing</li> </ul>
25 Year Red Shield		<ul style="list-style-type: none"> <li><input type="checkbox"/> APP 180 Cool (UltraWhite)</li> <li><input type="checkbox"/> APP 180 FR Cool (UltraWhite)</li> </ul>	Two plies, consisting of: <ul style="list-style-type: none"> <li><input type="checkbox"/> One ply of a fully-adhered APP Cool base sheet, <u>AND</u></li> <li><input type="checkbox"/> One ply of fully-adhered Firestone APP UltraWhite Cool cap sheet, <u>OR</u></li> <li><input type="checkbox"/> UltraFlash One-Part Liquid Flashing</li> </ul>

1. Max. 4' x 4' (1.2 m x 1.2 m) 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. BASEGARD SA Base Sheet must be applied over SA Primer or heat activated.
6. APP Systems adhered in Firestone Multi-Purpose MB Cold adhesive must cure for a min of 30 days before a 3rd ply or 6 months before the AcryliTop System is applied.
7. Only Firestone brand products are covered in a Red Shield warranty.
8. It is the installing contractor's responsibility to follow applicable building codes.
9. DensDeck is a registered trademark of Georgia-Pacific Gypsum LLC.
10. Structodek is a registered trademark of Blue Ridge Fiberboard, Inc.
11. Securock is a registered trademark of United States Gypsum Company.