



1. Firestone Granule-Surfaced APP Cap Sheet
2. Firestone APP Base Sheet
3. Asphalt Primer (ASTM D 41)
4. Existing Smooth-Surfaced Asphalt Roof

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

Deck Requirement

- Min. ½" (13 mm) Plywood/OSB
- Min. 1" (25 mm) Wood Plank
- Min. 2" (51 mm) Poured Gypsum
- Min. 2" (51 mm) Cementitious Wood Fiber
- Min. 22-gauge Steel
- Min. 3,000 psi (20.7 MPa) Structural Concrete

Construction Type

- Roof substrate must be clean and primed with ASTM D 41 asphalt primer prior to application of new Firestone membrane.

NOTE: APP cap sheet may be installed directly to a properly prepared existing roof for a 10 year maximum warranty.

Slope Requirement

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

Insulation (optional)

- Appropriate Firestone insulation
- Insulation Attachment**
- Appropriate Firestone Fasteners & Plates
- Full mopping of ASTM D 312 Type III or IV asphalt
- 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)

- DensDeck® Prime
 - Securock® Gypsum-Fiber Roof Board
- NOTE:** One of the above is required when torch-applying the base sheet over insulation.
- Firestone ISOGARD™ HD Cover Board
 - Structodek® HD Fiberboard Roof Insulation (≤ 20 year warranties only)

Membrane Attachment

- Self-adhered
- Fully heat-welded

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.

Warranty Options

	Fully Heat-Welded Base Sheet	Fully Heat-Welded Cap Sheet	Flashings
5 - 10 Year Red Shield	Optional on properly prepared existing roof; choose from below if desired.	<input type="checkbox"/> APP 180 <input type="checkbox"/> APP 180 FR <input type="checkbox"/> APP Premium FR	<input type="checkbox"/> One ply of fully-welded Firestone APP granule-surfaced cap sheet
15 - 20 Year Red Shield	<input type="checkbox"/> BASEGARD™ SA (self-adhere) <input type="checkbox"/> APP 80 Glass Base <input type="checkbox"/> APP Premium Base <input type="checkbox"/> APP 160 <input type="checkbox"/> APP 170		Two plies, consisting of: <input type="checkbox"/> One ply of fully-welded APP base sheet, <u>AND</u> <input type="checkbox"/> One ply of fully-welded APP granule-surfaced cap sheet, <u>OR</u> <input type="checkbox"/> UltraFlash™ One-Part Liquid Flashing

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. Only Firestone brand products are covered in a Red Shield warranty.
7. It is the installing contractor's responsibility to follow applicable building codes.
8. Wood walls require a mechanically-fastened MB Base beneath the flashing assembly.
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.