



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

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)

- Firestone ISOGARD™ HD Cover Board
- DensDeck® Prime
- Securock® Gypsum-Fiber Roof Board
- Structodek® HD Fiberboard Roof Insulation

Membrane Attachment

- Self-adhered
- Firestone MB Cold Adhesive

Surfacing

- APP granule-surfaced cap sheet
- APP granule-surfaced cap sheet coated with AcryliTop™ PC-100

NOTE: 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 Firestone MB Multi-Purpose Flashing Cement)
5 - 10 Year Red Shield	Optional on properly prepared existing roof; choose from below if desired.	<input type="checkbox"/> APP 180 Cool <input type="checkbox"/> APP 180 FR Cool	<input type="checkbox"/> One ply of fully-adhered Firestone APP granule-surfaced Cool cap sheet
15 - 20 Year Red Shield	<input type="checkbox"/> BASEGARD™ SA <input type="checkbox"/> APP Premium Base <input type="checkbox"/> APP 160 Cool <input type="checkbox"/> APP 170 Cool		Two plies, consisting of: <input type="checkbox"/> One ply of fully-adhered APP Cool base sheet, <u>AND</u> <input type="checkbox"/> One ply of fully-adhered APP granule-surfaced Cool cap sheet, <u>OR</u> <input type="checkbox"/> UltraFlash™ One-Part Liquid Flashing

1. Max. 4' x 4' (1.2 m 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.

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