



1. Firestone Granule-Surfaced SBS Cap Sheet
2. Firestone SBS Base Sheet
3. Firestone Mechanically-Attached Base Sheet (if required; see Deck Requirement below)
4. Nailable Substrate

*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. 1/2" (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
- NOTE:** The above decks require a mechanically attached base sheet if no insulation is used.
- Min. 22-gauge Steel

**Slope Requirement**

- Positive slope required
- ≥ 1/4" (2.1 %) required for warranties ≥ 20yrs

**Insulation (optional)<sup>1</sup>**

- Appropriate Firestone insulation

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

- Firestone All-Purpose Fasteners & Plates (≤ 15-yr Red Shield Warranty only; may be used for 20+ year warranties on wood decks)

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

- Firestone Heavy-Duty or Heavy-Duty Plus Fasteners & Plates
  - Firestone Polymer Fasteners & Strips/Plates
  - 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
- Cover Board (optional)**
- DensDeck® Prime<sup>4,9</sup>
  - Securock® Gypsum-Fiber Roof Board<sup>11</sup>
- NOTE:** One of the above is required when torch-applying the base sheet.
- Firestone ISOGARD™ HD Cover Board<sup>3</sup>
  - Structodek HD Fiberboard Roof Insulation<sup>10</sup> (≤ 20yr warranties only)

**Membrane Attachment**

- Self-adhered<sup>5</sup>
- Full mopping of ASTM D 312 Type III or IV asphalt (Type IV required for warranties ≥ 20yrs)
- Fully heat-welded

**Surfacing**

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

**NOTE:** An UltraWhite™ cap sheet or AcryliTop PC-100 Coating is required for a 25-yr Red Shield Warranty.

**Warranty Options<sup>6,7</sup>**

	Mechanically-Fastened Base Sheet (if required)	Fully Mopped or Heat-Welded Base Ply	Fully Mopped or Heat-Welded Cap Sheet	Flashings <sup>8</sup>
5 - 10 Year Red Shield		Not required if a mechanically-fastened base sheet is present. Otherwise, choose from below.	<ul style="list-style-type: none"> <li><input type="checkbox"/> SBS Cap</li> <li><input type="checkbox"/> SBS FR Cap</li> <li><input type="checkbox"/> SBS FR Torch</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> One ply of fully-adhered SBS granule-surfaced cap sheet</li> </ul>
15 - 20 Year Red Shield	<ul style="list-style-type: none"> <li><input type="checkbox"/> Channel Venting Base</li> <li><input type="checkbox"/> MB Base</li> <li><input type="checkbox"/> SBS Premium Base</li> <li><input type="checkbox"/> SBS Premium Poly Base</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> SBS Base</li> <li><input type="checkbox"/> SBS Glass Torch Base</li> <li><input type="checkbox"/> SBS Glass Torch Base 1.5</li> <li><input type="checkbox"/> SBS Poly Base</li> <li><input type="checkbox"/> SBS Poly Torch Base</li> <li><input type="checkbox"/> SBS Premium Base</li> <li><input type="checkbox"/> SBS Premium Poly Base</li> <li><input type="checkbox"/> SBS Smooth</li> <li><input type="checkbox"/> BASEGARD™ SA Base Sheet<sup>5</sup> (self-adhere)</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> SBS Glass</li> <li><input type="checkbox"/> SBS Glass FR</li> <li><input type="checkbox"/> SBS Glass FR Torch</li> <li><input type="checkbox"/> SBS Premium</li> <li><input type="checkbox"/> SBS Premium Torch</li> <li><input type="checkbox"/> SBS Premium FR</li> <li><input type="checkbox"/> SBS Premium FR Torch</li> </ul>	<p>Two plies, consisting of:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> One ply of fully-adhered SBS base sheet, <u>AND</u></li> <li><input type="checkbox"/> One ply of fully-adhered SBS granule-surfaced cap sheet, <u>OR</u></li> <li><input type="checkbox"/> One ply of heat-welded SBS Metal Flash AL, <u>OR</u></li> <li><input type="checkbox"/> UltraFlash™ One-Part or Two-Part Liquid Flashing</li> </ul>
25 Year Red Shield		<ul style="list-style-type: none"> <li><input type="checkbox"/> SBS Glass Torch Base</li> <li><input type="checkbox"/> SBS Poly Base</li> <li><input type="checkbox"/> SBS Poly Torch Base</li> <li><input type="checkbox"/> SBS Premium Base</li> <li><input type="checkbox"/> SBS Premium Poly Base</li> <li><input type="checkbox"/> SBS Smooth</li> <li><input type="checkbox"/> BASEGARD SA Base Sheet<sup>5</sup> (self-adhere)</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> SBS Glass FR Torch</li> <li><input type="checkbox"/> SBS Premium</li> <li><input type="checkbox"/> SBS Premium Torch</li> <li><input type="checkbox"/> SBS Premium FR</li> <li><input type="checkbox"/> SBS Premium FR Torch</li> </ul>	<p>Two plies, consisting of:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> One ply of a fully-adhered 25-yr eligible SBS base sheet, <u>AND</u></li> <li><input type="checkbox"/> One ply of fully-adhered SBS UltraWhite cap sheet, <u>OR</u></li> <li><input type="checkbox"/> One ply of heat-welded SBS Metal Flash AL, <u>OR</u></li> <li><input type="checkbox"/> UltraFlash Two-Part Liquid Flashing</li> </ul>

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. 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.