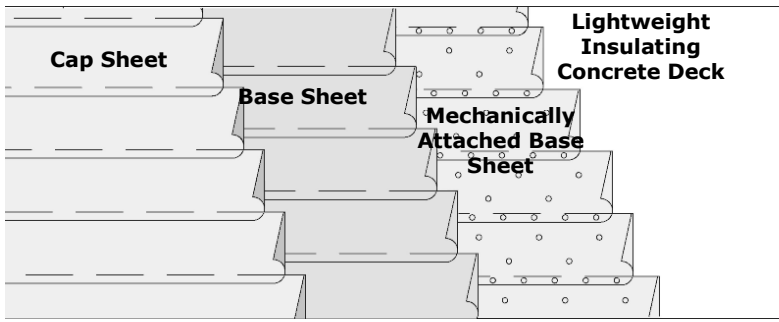


# SBS Lightweight Concrete Deck System Specifications



Sample Assembly Shown

Consult the Firestone Technical Specifications Manual for specific installation requirements

**Deck**

Minimum Slope for 25 year = 1/4 in./foot

- ( ) Lightweight Concrete (aggregate or cellular) installed according to deck manufacturers requirements)

**Vapor Retarder**

- ( ) MB Base SA in SA Primer. ISO 95+ must be adhered in I.S.O. Twin Pack.
- ( ) Two mopped Plies of Firestone Type IV or VI Ply Sheet.
- ( ) Venting base sheet mechanically attached with asphalt glaze coat (side and end laps must be adhered with hot asphalt).<sup>(6)</sup>
- ( ) MB Base SA with welded laps. ISO 95+ must be adhered in I.S.O. Twin Pack.

**Insulation** (Optional)<sup>(5, 7)</sup>

Firestone ISO 95+ GL

- ( ) Mechanically attach with Firestone fasteners & plates<sup>(1)</sup>
- ( ) Approved hot asphalt<sup>(5)</sup>
- ( ) Firestone ISO Twin Pack<sup>(5)</sup>
- ( ) Firestone ISO Spray Adhesive<sup>(5)</sup>
- ( ) Firestone ISO-FIX Adhesive<sup>(5)</sup>

**A Vapor retarder is required under the insulation on all lightweight concrete deck systems except cellular insulating concrete decks**

**Firestone recommends that a design professional be consulted regarding the need for a Vapor Retarder**

**Cover Board** (Optional)<sup>(5, 7, 8)</sup>

- ( ) Firestone CoverDeck<sup>(1,2)</sup>
- ( ) DensDeck Prime<sup>(1, 2)</sup>

**Surfacing**

- ( ) Firestone PC-100 and Acrylic Base Coat for Asphalt Systems is *required* for 25 year Medallion Modified Bitumen Systems

WARRANTY REQUIREMENTS		BASE SHEET	INTERPLY SHEET	CAP SHEET
25 YEAR	1 Ply-Fully adhered Interply sheet <b>And</b> 1 Ply - Fully adhered Granule Surfaced Cap Sheet <b>And</b> Firestone AcryliTop coating system for Asphalt	<b>A Vapor retarder is required under the insulation on all lightweight concrete deck systems except cellular insulating concrete decks<sup>(1)</sup></b>  ( ) MB Base M <sup>(1,6)</sup> ( ) SBS Base <sup>(1,6)</sup> ( ) SBS Poly Base <sup>(1,6)</sup> ( ) SBS Premium Base <sup>(1,6)</sup> ( ) SBS Smooth <sup>(1,6)</sup> ( ) SBS Poly Torch Base <sup>(1,6)</sup> ( ) SBS Glass Torch Base <sup>(1,6)</sup>	15 20 25 YEAR ( ) SBS Base <sup>(3, 8)</sup> ( ) SBS Poly Base <sup>(3, 8)</sup> ( ) SBS Premium Base <sup>(3, 8)</sup> ( ) SBS Smooth <sup>(3, 8)</sup> ( ) SBS Poly Torch Base <sup>(4)</sup> ( ) SBS Glass Torch Base <sup>(4)</sup> ( ) MB Base SA <sup>(9)</sup>	( ) SBS Cap <sup>(3, 4)</sup> ( ) SBS FR Cap <sup>(3, 4)</sup> ( ) SBS Premium <sup>(3, 4)</sup> ( ) SBS Premium FR <sup>(3,4)</sup> ( ) SBS Torch <sup>(4)</sup> ( ) SBS FR Torch <sup>(4)</sup> ( ) SBS Premium FR Torch <sup>(4)</sup>
	20 YEAR			
15 YEAR	1 Ply - Fully adhered Interply sheet <b>And</b> 1 Ply - Fully adhered Cap Sheet		12 YEAR & LESS ( ) Firestone MB Base M <sup>(2,3,8)</sup> ( ) SBS Base <sup>(2, 3, 8)</sup> ( ) SBS Poly Base <sup>(2,3,8)</sup> ( ) SBS Premium Base <sup>(2,3,8)</sup> ( ) SBS Smooth <sup>(2,3,8)</sup> ( ) SBS Poly Torch Base <sup>(4)</sup> ( ) SBS Glass Torch Base <sup>(4)</sup> ( ) MB Base SA <sup>(9)</sup>	
12 YEAR	1 Ply -Fully adhered Cap Sheet <sup>(7)</sup>			

**See Asphalt Roof System Quick Specs for Flashing Requirements**

NOTES:	1. Mechanically attached with Firestone fasteners & plates. Firestone HD fasteners and plates are required for mechanical attachment in 20 and 25 year systems. 2. Applied in a continuous mopping of approved hot asphalt. 3. Applied in Firestone Multi-Purpose MB Cold Adhesive. 4. Fully Heat Welded. 5. Max Size Insulation Board 4' x 4'. 6. Firestone LWC Base Ply Fasteners	7. For warranties up to and including 25 years, the new roof membrane can be installed over an existing smooth asphalt roof membrane, a new Base Sheet, new ISO 95+, approved Coverboard, or a combination of the above. See Firestone Roofing Systems Technical Manual for specific installation requirements. 8. Wood fiber insulation is not an acceptable substrate for MB Cold Adhesive. 9. A torch cap sheet must be heat welded over the top of MB Base SA.
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*Products or problems associated with the use of non-Firestone supplied products are not covered under the Firestone Warranty*

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