

CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following roofing material has been found to be acceptable for use in accordance with the Report of Materials and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, F.A.I.A., Commissioner

MEA 365-03-M
Report of Material and Equipment Acceptance Division

Manufacturer – Firestone Building Products, Co., 525 Congressional Boulevard,
Carmel, Indiana 46032.

Trade Name – Firestone SBS.

Product - Roof Covering Assemblies.

Pertinent Code Section - 27-337.

Prescribed Test - RS 5-10 (ASTM E-108).

Laboratory – Underwriters Laboratories Inc.

Test Reports - UL file R9516, Project 91NK(3694, 9393, 18497); 92NK19248,
93NK(8111,21659); 94NK6214, 97NK1292; 99NK (19077, 21468); 00NK12662;
01NK18223; 01NK43911.

Description – Built-up roof covering assemblies utilizing an SBS polymer modified asphalt, ranging in thickness from 130 to 210 mils; reinforced with a polyester/fiberglass mat, making up the Firestone SBS family of membranes. As an option one or more layers of UL Classified insulation, any thickness (polystyrene must be covered with min. ½" wood fiber, glass fiber, perlite or gypsum). One or more plies of UL Classified G1, G2, G3 or Firestone MB Base Sheet is mechanically attached or hot mopped, followed by a layer of Firestone SBS FR (hot mopped or heat fused). Class A fire resistance classification limited to noncombustible decks at inclines not exceeding ½ inch to the horizontal foot.

CLASS A
FULLY ADHERED
Incline: 1

Deck: NC

Insulation: (Optional) Any UL Classified, any thickness. When polystyrene (EPS) is used, a minimum 1/2 in. thick layer of wood fiber or perlite must cover the EPS.

Base Sheet: One or more plies type G-1, G-2 or G-3, mechanically fastened or hot mopped. If no insulation is used, vented base sheet may be utilized.

Membrane: "SBS FR" or "SBS FR I" (modified bitumen), hot mopped in place.

Base Sheet: One or more plies of GAF "GAFGLAS No. 75" base sheet, OCF "Perma-Ply No. 28," Manville "Glasbase" or Tamko "Tam-Ply IV" (Type G-2), mechanically fastened or hot mopped in place.

Membrane: "SBS FR" (modified bitumen), hot mopped in place.

FULLY ADHERED - CLASS A

1. Deck: NC. Incline: 1

Insulation: (Optional) Any UL Classified glass fiber, wood fiber, perlite, phenolic, polyisocyanurate or polyisocyanurate composite, any thickness, or EPS covered with 1/2 in. thick min wood fiber.

Ply Sheet: Type Gp-1, G-2, or G-3 "MB Base Sheet" or "SBS Base Sheet" mechanically fastened or hot mopped.

Ply Sheet: (Optional) One or more plies "SBS Smooth", hot mopped or mechanically attached.

Membrane: "SBS FR" or "SBS FR I" (modified bitumen), hot mopped.

2. Deck: C-15/32

Incline: 1/2

Insulation: Woodfiber, 1 in. thick min, glass fiber, 15/16 in. thick min, perlite, 3/4 in. thick min or polyisocyanurate, phenolic, urethane, polyisocyanurate/perlite composite or urethane/composite, 2 in. thick min, or polyisocyanurate, phenolic, urethane, polyisocyanurate/perlite composite, urethane/perlite composite - min. 1-1/2 in. covered with:

1. Wood fiber - 1/2 in. min
2. Perlite - 1/2 in. min
3. Gypsum - 1/2 in. min
4. Fiberglass - 1/2 in. min

insulation joints offset 6 in. with joints in deck.

Ply Sheet: One or more plies of Type G-2 (26 lb/sq min), "SBS Base Sheet" or "MB Base Sheet" (26 lb/sq min), mechanically fastened or hot mopped.

Ply Sheet: (Optional) One or more plies of "SBS Base Sheet" or "SBS Smooth", hot mopped or mechanically attached.

Membrane: "SBS FR" or "SBS FR I." (modified bitumen), hot mopped.

3. Deck: C-15/32

Incline: 1/2

Ply Sheet: Two or more plies of Type G-2 (26 lb/sq min), "MB Base Sheet" (26 lb/sq min), or "SBS Base Sheet", mechanically fastened or hot mopped.

Ply Sheet: (Optional) One or more plies of "SBS Base Sheet" or "SBS Smooth", hot mopped or mechanically attached.

Membrane: "SBS FR" or "SBS FRI" (modified bitumen), hot mopped.

CLASS B
FULLY ADHERED
Incline: 1/2

Deck: C-15/32

Insulation: (Optional) any UL Classified polyisocyanurate, composite, phenolic, perlite/phenolic composite, glass fiber, wood fiber or perlite, or Polystyrene (EPS) covered with a minimum 1/2 in. thick layer of wood fiber or perlite, joints in insulation offset 6 in. with joints in deck.

CLASS A - FULLY ADHERED

Deck: NC

Incline: 1

Insulation: (Optional) Any UL Classified, any thickness (EPS must be covered with 1/2 in. thick min. wood fiber, glass fiber, perlite or gypsum wallboard).

Base Sheet: One or more plies Type G-1, G-2, G-3 or "MB Base Sheet", mechanically fastened or hot mopped.

Membrane: "SBS FR" or "SBS Premium FR" (modified bitumen), hot mopped.

Class A

1. Deck: NC
* Insulation: Incline: 1/2
(Optional) Firestone "ISO 95+ GL", Firestone "FiberTop C, E or S" any thickness or any UL Classified polyisocyanurate, perlite, fiberglass or wood fiberboard any thickness; *mechanically fastened, hot mopped or adhered *with "Firestone Modified Bitumen Cold *Adhesive" at 1-1/2 gal/sq.
- Base Sheet: One layer of "Firestone Ply IV Felt", Firestone "MB Base Sheet", Firestone "SBS Base Sheet", Firestone "SBS Premium Base *Sheet", "Firestone SBS Smooth", or any UL Classified Type G1 or G2; mechanically fastened or adhered with "Firestone Modified Bitumen Cold Adhesive" at 1-1/2 gal/sq.
- Membrane: Firestone "SBS Glass FR", "SBS Premium FR" adhered with "Firestone Modified Bitumen Cold Adhesive" at 1-1/2 gal/sq.

2. Deck: C-15/32 Incline: 1/2
Base Sheet: One layer of Firestone "MB Base Sheet", "SBS Base Sheet" or "SBS Premium Base Sheet", mechanically fastened.
Ply Sheet: One layer of "MB Base Sheet" or "SBS Base Sheet", "SBS Premium Base Sheet" adhered with "Firestone Modified Bitumen Cold Adhesive" at 1-1/2 gal/sq.
Membrane: Firestone "SBS Glass FR" adhered with "Firestone Modified Bitumen Cold Adhesive" at 1-1/2 gal/sq.

Class B

1. Deck: C-15/32 Incline: 1/2
Base Sheet: One layer of Firestone "MB Base Sheet", "SBS Base Sheet" or "SBS Premium Base Sheet", mechanically fastened.
Ply Sheet: (Optional) One layer of "MB Base Sheet" adhered with "Firestone Modified Bitumen Cold Adhesive" at 1-1/2 gal/sq.
Membrane: Firestone "SBS Glass FR" adhered with "Firestone Modified Bitumen Cold Adhesive" at 1-1/2 gal/sq.
2. Deck: C-15/32 Incline: 1/2
Base Sheet: One layer of Firestone "MB Base Sheet", "SBS Base Sheet" or "SBS Premium Base Sheet", mechanically fastened.
Ply Sheet: One layer of "MB Base Sheet", "SBS Base Sheet", or "SBS Premium Base Sheet", adhered with "Firestone Modified Bitumen Cold Adhesive" at 1-1/2 gal/sq.
Membrane: *Firestone "SBS FR", "SBS Premium FR" or "SBS *Glass FR" adhered with "Firestone Modified Bitumen Cold Adhesive" at 1-1/2 gal/sq.

CLASS B

1. Deck: MC Incline: 1-1/2
Insulation: Polyisocyanurate, wood fiber, glass fiber or perlite, any thickness.
Base Sheet: One or more layers of "MB Base Sheet", mechanically fastened or hot mopped.
Membrane: "SBS FR" (modified bitumen), hot mopped.

The following roofing system is also eligible for Classification based on the test data presented in this Report:

- 2 Deck: C-15/32 Incline: 1-1/2
Barrier Board: Gypsum wallboard, 1/2 in. thick min. or G-P Products Dens-Deck®, 1/4 in. thick min.
Insulation: Polyisocyanurate, wood fiber, glass fiber or perlite, any thickness.
Insulation (Optional): Wood fiberboard, hot mopped.
Base Sheet: One or more layers, "MB Base Sheet", mechanically fastened or hot mopped.
Ply Sheet: One or more layers type G1, hot mopped.
Membrane: "SBS FR" (modified Bitumen), hot mopped.

CLASSIFICATIONS

Roofing System Classifications will be promulgated as described below:

Class A - Fully Adhered

1. Deck: C-15/32 Incline: 1/2
Base Sheet: One or more layers of "MB Base Sheet" (Type G2), mechanically fastened.
Ply Sheet: One or more layers of "Type IV" or "Type VI" (Type G1), hot mopped.
Cap Sheet: One layer of "SBS FR" or "SBS Premium FR", hot mopped.

Class B - Fully Adhered

1. Deck: C-15/32 Incline: 1/2
Base Sheet: One or more layers of "MB Base Sheet" (Type G2), mechanically fastened.
Cap Sheet: One layer of "SBS FR" or "SBS Premium FR", hot mopped.

