



MB Base SA

**Tested in Accordance with ASTM D 5147
ASTM D 1970 and ASTM E 2178**

Firestone Item Number: W71FSS0827

DESCRIPTION:

Firestone MB Base SA consists of a Styrene-Butadiene-Styrene (SBS) rubber modified, self adhesive asphalt blend reinforced with a 1.8 lb/100ft² (90 grams/m²) glass fiber mat and coated with a fine mineral release agent on the top surface and an opaque release film on the bottom surface.

Firestone MB Base SA can be used as a base layer with all Firestone Torch Applied Modified Bitumen assemblies or as an effective vapor retarder when it is installed over an approved substrate using SA Primer. When used as a vapor retarder, ISO95+™ GL is adhered to the top of MB Base SA with ISO Twin Pack™ Insulation Adhesive.

APPLICATION METHOD:

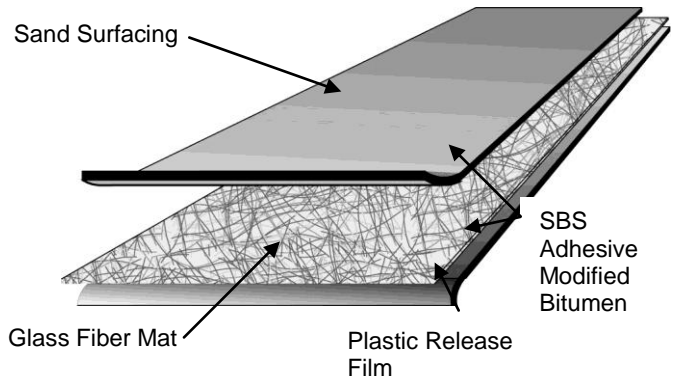
MB Base SA can be installed over Firestone ISO 95+ GL or ISOGARD™ HD.

Note: MB Base SA can *not* be used as a temporary roof.

STORAGE:

All material should be stored out of the weather in a clean, dry area in its original unopened packaging at a minimum of 50 °F (10 °C) and a maximum of 140 °F (60 °C) so that it will be 50 °F (10 °C) or above at the time of application.

If material must be stored temporarily on the roof before application, it must be elevated from the roof surface on a pallet, stored on end, and covered from the weather with a light colored opaque tarp in a neat, safe manner that does not exceed the allowable load limit of the storage area.



Manufactured in an ISO 9001 Registered Facility

PACKAGING:

Roll Width:	3.3 ft (1 m)
Roll Length:	99.7 ft (30.4 m)
Net Coverage:	300 ft ² (27.9 m ²)
Roll Weight:	95 lb (43.1 kg)
Pallet Size:	48" x 39" (1.1 m x 1 m)
Rolls Per Pallet:	20
Weight Per Pallet:	1,580 lb (775.6 kg)
Pallets Per Truckload:	24

Stack Firestone MB Base SA Squarely In Original Unopened Packaging No More Than Two (2) Pallets High

PRECAUTIONS:

1. Take care when transporting and handling Firestone MB Base SA rolls to avoid punctures and other types of physical damage.
2. Isolate waste products, petroleum products, grease, oil (mineral and vegetable) and animal fats from all Firestone membranes.
3. Contact your Technical Coordinator at 800-428-4511 for specific recommendations.
4. Refer to Material Safety Data Sheet for APP Membranes and Flashing.
5. Do not use MB Base SA as a temporary roof.

LEED INFORMATION:

Post Consumer Recycled Content: 0%
 Post Industrial Recycled Content: 0%
 Manufacturing Location: Fresno, CA



This sheet is meant to highlight Firestone's products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials, which meet Firestone's published product specifications. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.

FIRESTONE BUILDING PRODUCTS COMPANY, LLC
 250 West 96th Street, Indianapolis, IN 46260
 Sales: (800) 428-4442 • Technical (800) 428-4511
 www.firestonebpco.com

MB Base SA



**Tested in Accordance with ASTM D 5147
ASTM 1970 and ASTM E 2178**

Dimensions and Mass	English			Metric		
	Property	Unit	ASTM Minimum	Firestone Nominal	Unit	ASTM Minimum
Product Thickness	mil	N/A	60.0	mm	N/A	1.5
Net Mass	lb/100 ft ²	N/A	29.1	g/sq.m	N/A	1,184
Bottom Coating	mil	N/A	25.0	mm	N/A	0.6

Physical Properties

Maximum Load, 0° F (-18° C) (Tensile Strength)	lb/in	N/A	MD	100.0	kN/m	N/A	MD	17.5
			XMD	100.0			XMD	17.5
Elongation at Maximum Load, 0° F (-18° C)	%	N/A	MD	5.0	%	N/A	MD	5.0
			XMD	5.0			XMD	5.0
Maximum load 73.4° F (25° C) (Tensile Strength)	lb/in	N/A	MD	55.0	kN/m	N/A	MD	9.7
			XMD	50.0			XMD	8.8
Elongation at Maximum Load, 73.4° F (25° C)	%	N/A	MD	4.5	%	N/A	MD	4.5
			XMD	3.5			XMD	3.5
Elongation at 5% Maximum Load, 73.4° F (25° C)	%	N/A	MD	70.0	%	N/A	MD	70.0
			XMD	70.0			XMD	70.0
Tear Strength 73.4° F (25° C)	lbf	N/A	MD	55.0	N	N/A	MD	245.0
			XMD	45.0			XMD	200.0
Strain Energy at Max. Load, 73.4° F (25° C)	in ² •lbf/in ²	N/A	MD	6.8	N ² /m ²	N/A	MD	29.4
			XMD	6.1			XMD	26.4
Dimensional Stability	% Change	N/A	MD	-0.1	% Change	N/A	MD	-0.1
			XMD	0.2			XMD	0.2
Low Temp. Flexibility	°F	N/A	-40		°C	N/A	-40	
High Temp. Stability	°F	N/A	250		°C	N/A	121	

Air Permeance	L/sm ² •Pa	N/A	0.0018	L/sm ² •Pa	N/A	0.0018
---------------	-----------------------	-----	--------	-----------------------	-----	--------

Water Vapor Transmission	Perms	N/A	0.06	Perms	N/A	0.06
--------------------------	-------	-----	------	-------	-----	------