

Compabase FS-2H-FR™

PRODUCT INFORMATION



SBS modified bitumen base sheet with excellent weathering and a fire resistant additive for additional protection

OVERVIEW

Compabase FS-2H-FR is an SBS modified bitumen base sheet with excellent weathering and a fire resistant additive for additional protection. It is compatible with any of BITEC's SBS modified bitumen membranes. Compabase FS-2H-FR is composed of select distilled bitumen and SBS and reinforced with a high strength fiberglass mat. Compabase FS-2H-FR will eliminate the concerns of compatibility and performance between SBS cap sheets bonded to oxidized bitumen base sheets by heat welding.

Compabase FS-2H-FR also eliminates the concern that the oxidized bitumen component of the roof system is the weak link in performance. Oxidized bitumen base sheets are not modified with SBS polymer. These base sheets are hard, brittle and have poor flexibility at lower temperatures in comparison to modified bitumen base sheets. Oxidized bitumen does not blend well with SBS polymer.

Compabase FS-2H-FR, when used in conjunction with any BITEC SBS modified bitumen membrane, provides a high-performance waterproofing system. BITEC's Compabase FS-2H-FR, used in lieu of oxidized bitumen base sheets, and applied with modified SBS cap sheets, provides the waterproofing redundancy necessary for long-term watertight performance.

Advantages of using Compabase FS-2H-FR include:

- System compatibility
- Two-ply modified bitumen system
- Excellent flexibility
- Excellent weatherability
- Easy to apply
- Good dimensional stability
- Enhances modified bitumen system performance
- Keeps your BITEC modified bitumen membrane system in total performance

PACKAGING

Compabase FS-2H-FR is shipped in palletized, shrink wrapped units of 24 rolls per unit.

APPLICATION

BITEC FS-2H-FR is designed to be applied by conventional methods of hot asphalt or cold adhesive application. BITEC PMA-186 or PMA-2000 cold process adhesive should be applied at a rate of 1.5 to 2.5 gallons per 100 ft².

(The substrate that the cold process adhesive is being applied over may affect consumption rates.) Refer to the adhesive technical data sheets for application methods. Hot asphalt applications require ASTM D312 Type III mopping asphalt for low slope applications or ASTM D312 Type IV for slopes greater than 1" per foot. Hot asphalt should be applied at a rate of 25 lb./100 ft². Follow NRCA and the asphalt manufacturers guidelines for EVT requirements when heating asphalt. Refer to the BITEC General Application Instructions in the BITEC Products and Application Guide for proper application techniques. Only mastics and adhesives provided by or approved by BITEC should be used with our SBS membranes.

STORAGE

Rolls should be stored under cover away from direct exposure to the elements until immediately before use. If it becomes necessary to store material on the job site or roof deck, units should be covered with an opaque tarpaulin or similar cover. (Clear or black protective coverings are not acceptable.) Units should also be elevated from the roof deck by placement upon a pallet. If possible, material should be stored away from direct sunlight during storage at the job site. Do not stack units two or more high.

SAFETY

Contractor

It is the contractor's responsibility to observe all fire prevention policies and practices, to train, instruct and warn employees on the use of heat welding equipment. Follow OSHA and NRCA provisions for fire protection, including but not limited to those listed in OSHA 1910.151, 155, 156, 157, and 1910.1101, which apply to heat weld application. The contractor should be familiar with NFPA 58 "Standard for the Storage and Handling of Liquefied Petroleum Gas" and any other appropriate publications of the National LP Gas Association.

Fire Department Regulations

The contractor should be familiar with all local fire codes in his area. The contractor is responsible for obtaining all necessary permits or certificates before any work is started.

Personnel

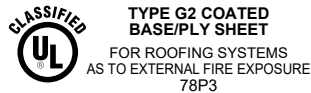
Proper clothing should be worn at all times while installing any modified membrane. Long sleeve shirt, long pants, leather or durable flat sole shoes and work gloves. Workers, other than the heat weld operator, should be no closer than 3' from open flame.

NOTE: The roofing contractor and his employees are the key to success regarding safety. Safety should always be first!

Technical Schedule	
MODIFIER	SBS
APPROX. ROLL SIZE	49.2 ft. x 3.28 ft. (15.0 m x 1 m)
SEAM WIDTH	3" (75 mm)
APPROX. COVERAGE	150 ft. ² (14 m ²)
TOP SURFACE	Coal Slag
BOTTOM SURFACE	Coal Slag
NOMINAL THICKNESS	80 mils (2 mm)
NOMINAL WEIGHT	100 lb (45.5 kg)
REINFORCEMENT	Fiberglass mat
LOW TEMPERATURE FLEXIBILITY (ASTM D5147)	passed -30°F (-34.4°C)
TEAR STRENGTH @ 73.4°F (23°C) (ASTM D4073)	MD = 97 lbf/in XMD = 82 lbf/in (MD = 16.99 kN/m XMD = 14.36 kN/m)
SOFTENING POINT (ASTM D36)	240°F (116°C)
TENSILE STRENGTH @ 73.4°F (23°C) (ASTM D5147)	MD = 42 lbf/in XMD = 44 lbf/in (MD = 7.36 kN/m XMD = 7.43 kN/m)
TENSILE STRENGTH @ 0°F (-17.7°C) (ASTM D5147)	MD = 116 lbf/in XMD = 92 lbf/in (MD = 20.13 kN/m XMD = 16.11 kN/m)
ELONGATION @ 73.4°F (23°C) (ASTM D5147)	MD = 4% XMD = 4%
ELONGATION @ 0°F (-17.7°C) (ASTM D5147)	MD = 4% XMD = 4%

All Information is given in good faith, but normal tolerances of manufacture and testing will apply. BITEC reserves the right to improve and change its products at any time without prior notice or advice. The use of BITEC products is determined by local conditions and individual requirements of each contract. In consideration of the many factors involved, BITEC cannot be held responsible for the application of its products and for conditions beyond its control. All claims filed against BITEC warranties will be subject to the provisions set forth at the date of warranty issuance, and any addendum thereto. Under no circumstances will BITEC be held liable for any damage, whether personal injury or property damage, which occur during or after the application of the membrane.

Approvals:



Member of:



STANDARD SPECIFICATION:
ASTM D6163, TYPE I GRADE S

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