



FlexShield 90 SBS Fiberglass Base Sheet

Product Information and Technical Data

FlexShield 90 SBS Fiberglass Base Sheet is suitable for use as a base sheet for hot asphalt, cold process, torch applications. This high performance base sheet may be used over various combustible and non combustible decks as the initial ply or multiple interplies for a specified roof system.

Uses

- FlexShield 90 SBS Fiberglass Base Sheet is designed for applications as a ply sheet or it may also be used as a base ply to construct either a cold or hot-applied roof assembly.
- It is suitable for use in the construction of various types of membranes for both new construction and re-roofing.
- Provides additional strength when used as the first ply over nailable, non-nailable and insulated substrates.
- Performs as a venting base sheet when spot mopped over plastic foam type insulation.
- Suitable as a mid ply in multi layer systems.
- Base flashing membrane.

Advantages

- Weatherproof
- Dimensionally stable
- High tensile strength per mass unit
- Thermally stable
- Good adhesion to bitumen
- Non-fraying

Installation

Coverage

Each roll is 305 square feet in size. Lapping width determines actual coverage of roll, i.e., 4" side laps provide actual coverage of 300 square feet.

Surface Preparation:

In accordance with the particular job specifications, prepare surface to be covered; e.g.: Replace areas of wet insulation, deteriorated deck and wood components. Install roof insulation, protection course, or base sheet.

As a Ply Sheet:

Plan placement of GlobalShield roofing ply to ensure that water will flow over or along, but not against exposed edges. Starting at low point of roof, apply uniform and continuous mopping of the specified hot melt or cold adhesive using standard roofing equipment, mop, or approved felt layer a Garlock Universal is recommended.

To start and finish roof membrane along edges, terminations and projections, use starting/finishing strips; 13-1/2 and 27 inch wide plies for 3-ply membrane. Install GlobalShield roofing ply in shingle fashion. Overlap starter strips with first ply, then overlap each succeeding ply 27" for 3-ply system. 4-ply membranes can also be constructed. Ply sheets are marked for 3-ply construction. Embed each ply in uniform and continuous application of specified hot or cold adhesive. Ply shall never touch ply. Apply specified adhesive no more than ten feet ahead of each roll. Lightly broom plies to ensure complete adhesion. Lap ply sheet ends 6". Stagger end laps. Avoid walking on plies until adhesive has cooled or set. Install flashings as specified. Tie in previous days' work with 24" lap.

As a Base Ply:

Plan placement to ensure water will flow over or along, but not against exposed edges. As a base ply, FlexShield 90 may be applied to nailable deck by using approved fasteners. Lap each sheet 4" over preceding sheet, nailing at lap no less than 9" O.C. and stagger-nailing 18" O.C., 13-3/4 inches in from each edge. Allow 6" staggered end laps for each ply. As a mopped in place base sheet, place FlexShield 90 Fiberglass Base Sheet into a uniform application (3 gallons or 25 lbs \pm 20%) of the specified adhesive providing 4" side laps and 6" end laps.

See GlobalShield Specifications for additional information.

Precautions

Read MSDS and label before use. Cool weather handling characteristics - Ends tend to curl if bitumen is not hot. Precut and relaxed sections are a solution. Reducing length of mop swing and working with bitumen at proper temperature will also solve situation. Deck must be properly designed and structurally sound. Ponding conditions are unacceptable and will adversely affect performance of any roofing system. For industrial/commercial use only.

Availability and Costs:

Availability: Products are immediately available from GlobalShield, Inc. throughout the United States.

Cost: Cost data is available from your local GlobalShield representative.

Technical Services: GlobalShield Technical Services Department provides problem analysis and assistance in developing recommendations for special applications. Warranty systems require inspection by GlobalShield prior to installation. Progress and final inspections are also required.

Statement of Policy and Responsibility:

GlobalShield takes responsibility for the furnishing of quality materials, and providing specifications and recommendations for their proper installation. GlobalShield does not, either itself or through its representative, practice architecture or engineering. GlobalShield offers no opinion on, and expressly disclaims any responsibility for, the structural soundness of any roof deck on which its products may be applied. Opinions of competent structural engineers should be obtained by the owner as to the structural soundness of the roof deck, or its ability to properly support the contemplated roof installation. GlobalShield accepts no liability for any failure of the roof deck or resultant damages, and no GlobalShield representative is authorized to vary this disclaimer.

SPECIFICATIONS

Property	Value	Complies With
Weight per roll	92 lbs.	ASTM D 4601-97a Type II
Coverage	3 squares	
Width	39-5/8"	
Length	99'	
Rolls/Pallet	20	
Asbestos Content	0%	
Fire Resistance	Pass	

PACKAGING INFORMATION

Product Number	Size	Quantity	Weight
902-300	3 square roll	20 rolls/pallet	1,840 lbs.



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