



# *FlexShield*

## **#1030, 1040 SBS**

### **Modified Bitumen Membranes**

#### **Product Information and Technical Data**

**#1030 SBS and #1040 SBS** are high quality, polyester reinforced, SBS modified bitumen roofing membranes specially designed for hot mop, cold adhesive or heat welding (with burn-off polyethylene) application. These membranes are also used as flashing membranes in all applicable specifications, in accordance with recommended installation practices.

Polyester reinforced, SBS membranes are lightweight (approx. 1 lb./s.f.), weather resistant and durable.

Top surface of membrane is sanded or granular (available in a variety of colors) except at selvage edges

#### **Advantages**

Products are manufactured on a state of the art, dedicated Modified Bitumen roofing line that was exclusively designed for the production of these products. These products are produced with a high performance, non-woven polyester mat that is impregnated and coated with a superior grade, Modified Bitumen compound.

#### **Quality Standards and Approvals**

- ASTM D 6164 Type I
- Meets Factory Mutual Criteria
- Meets UL criteria for use in class A, B or C roofs.

SBS membranes are specifically designed for hot asphalt applied applications (sand backed), cold process adhesive application (sand backed) or for heat welding applied applications. Applications include new roofing, re-roofing, re-cover and BUR repair installation.

#### **Application Methods and Recommendations**

Directly over an acceptable substrate, apply one or more layers of SBS membrane in a solid mopping of Type III or IV hot asphalt (alternatively sheets may be set in a solid application of GlobalShield cold process adhesive) or torch applied.

SBS membranes shall be unrolled approximately 6' to set the roll alignment, then gradually unrolled into the hot asphalt to fully adhere the membrane to the substrate. The remainder of the roll is re-rolled and installed in the same manner. SBS sheets shall be set with min. 3" side laps and min. 6" end laps. To ensure complete adhesion of the membrane and base/ply sheets in the asphalt, all should be broomed in during periods where ambient temperature is below 50°F.

- All materials should be stored in their original unopened packaging
- Roll goods shall be stored on end on clean flat surface
- Store all roofing materials in a dry place, on raised platforms, out of direct exposure to the elements until time of application. This requirement applies equally to rooftop materials, temporarily on the roof before installation.
- Store membrane at room temperature wherever possible, until immediately prior to installing the roll.
- Materials shall be stored in a tidy and safe way in order to avoid exceeding the allowable live load of the storage area.
- Do not double stack pallets of GlobalShield membrane.

#### **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 substrate 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 substrate, or its ability to properly support the contemplated installation. GlobalShield accepts no liability for any failure of the substrate or resultant damages, and no GlobalShield representative is authorized to vary this disclaimer.

**Technical data: ASTM D6164 Type I**

TEST METHOD	TECHNICAL DESCRIPTION	VALUES #1030 SBS	VALUES #1040 SBS
ASTM D5147	Thickness	120 (3)	160 (4)
ASTM D228	Net mass/unit area, min. lbs/100 ft <sup>2</sup> (g/m <sup>2</sup> )	54 (2636)	90 (3661)
ASTM D5147	Bottom coating thickness, min, mils (mm)	40(1.0)	40(1.0)
ASTM D5147	Maximum load at 0±3.6°F(-18°±2°C), MD & XMD, min, before and after heat conditioning, lbf/in. (kN/m)	70(12.3)	70(12.3)
ASTM D5147	Elongation at 0 ± 3.6°F(-18°±2°C), MD & XMD, min, at maximum load, before and after heat conditioning, %	20	20
ASTM D5147	Maximum load at 73.4±3.6°F(23°±2°C), MD & XMD, min, before and after heat conditioning, lbf/in. (kN/m)	50(8.8)	50(8.8)
ASTM D5147	Elongation 73.4±3.6°F(23°±2°C), MD & XMD, min, at maximum load, before and after heat conditioning, %	35	35
ASTM D5147	Elongation at 5% of maximum load 73.4±3.6°F(23°±2°C), MD & XMD, min, before and after heat conditioning, %	38	38
ASTM D5147	Tear strength at 73.4±3.6°F(23°±2°C), min, lbf (N)	55(246)	55(246)
ASTM D 5147	Low temperature flexibility, max, before and after heat conditioning, °F%	0(-18)	32(0)
ASTM D5147	Dimensional stability, max, %	1.0	1.0
ASTM D5147	Compound stability at 215°F	No failures	No failures
ASTM D5147	Granule embedment, max	N/A	2

PRODUCT NAME	APPROX. WEIGHT (LB./ROLL)	ROLL SIZE	ROLLS/PALLET	COVERAGE
#1030 SBS	80	32'10"x33'-3/8"	20	100 ft <sup>2</sup>
#1040 SBS	110	32'10"x33'-3/8"	20	100 ft <sup>2</sup>



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