

TRI-BUILT® TM SBS Smooth

Smooth Base or Ply Sheet

Meets the requirements of ASTM D 6164, Type 1, Grade S

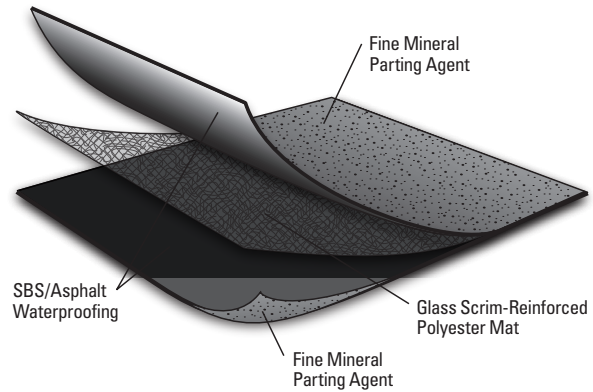
Features and Components

TRI-BUILT® TM SBS Smooth is used as a polyester-reinforced base or ply sheet in a variety of multi-ply roofing systems.

High-Quality SBS Rubber and Asphalt Blend: Lends elasticity and flexibility to the sheet. The elongation and recovery properties allow the product to easily accommodate the continual expansion and contraction experienced on all roofs.

Polyester Reinforcement Mat: Provides bidirectional glass-scrim reinforcement and offers robust tear strength and puncture resistance, allowing for high wind performance and excellent hail rating. The sheet also exhibits strong dimensional stability and enhanced elongation.

Surfacing: A fine material parting agent is applied to both sides of the product.



Product Application



- May be installed in Type IV asphalt or in an approved TRI-BUILT® adhesive
- Laps may be installed using heat-welding techniques

Packaging and Dimensions

Roll Coverage*	95.8 ft ² (8.9 m ²)
Roll Length	32' 10" (10.01 m)
Roll Width	39 3/8" (1 m)
Roll Weight	86 lb (39 kg)
Rolls per Pallet	20
Pallet Weight	1,900 lb (862 kg)
Pallets per Truck**	22

*Assumes a 4" side lap **Assumes 48' flatbed truck.

Energy and the Environment

Pre-Consumer Recycled Content	0%
Post-Consumer Recycled Content	0%

Codes and Approvals



Refer to the Safety Data Sheet and product label prior to using this product. The Safety Data Sheet is available on the web at www.tribuiltmaterialsgroup.com or by calling 1-800-516-1485

Meets the requirements of ASTM D 6164, Type I, Grade S

Tested Physical Properties

Physical Properties		ASTM Test Method	Standard for ASTM D 6164, Type I, Grade S (Min.)	TRI-BUILT® TMS SBS Smooth	
				MD*	XMD**
Strength	Tensile Tear	D 5147	55 lbf (245 N)	125 lbf (556 N)	90 lbf (400 N)
	Peak Load at 0°F (-18°C)	D 5147	70 lbf/in (12 kN/m)	110 lbf/in (19.3 kN/m)	90 lbf/in (15.8 kN/m)
	Peak Load at 73.4°F (23°C)	D 5147	50 lbf/in (8.8 kN/m)	80 lbf/in (14.0 kN/m)	60 lbf/in (10.5 kN/m)
Longevity	Low Temp. Flexibility	Unconditioned	D 5147	0°F (-18°C)	-20°F (-29°C)
		90-Day Heat Conditioned	D 5147	0°F (-18°C)	-20°F (-29°C)
	Compound Stability	D 5147	215°F (102°C)	250°F (121°C)	
	Granule Loss	D 4977	2 g (0.07 oz)	0.7 g (0.02 oz)	
	Thickness	D 5147	85 mil (2.2 mm)	118 mil (3.0 mm)	
	Selvage Edge Thickness	D 5147	N/A	N/A	
	Elongation at Peak Load at 0°F (-18°C)	D 5147	20%	35%	40%
	Elongation at Peak Load at 73.4°F (23°C)	D 5147	35%	55%	60%
Ultimate Elongation at 73.4°F (23°C)	D 5147	38%	70%	80%	
Aged Performance	90-Day Heat-Conditioned Peak Load at 0°F (-18°C)	D 5147	70 lbf/in (12 kN/m)	110 lbf/in (19.3 kN/m)	90 lbf/in (15.8 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 0°F (-18°C)	D 5147	20%	25%	25%
	90-Day Heat-Conditioned Peak Load at 73.4°F (23°C)	D 5147	50 lbf/in (8.8 kN/m)	85 lbf/in (14.9 kN/m)	65 lbf/in (11.4 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 73.4°F (23°C)	D 5147	35%	35%	45%
	90-Day Heat-Conditioned Ultimate Elongation at 73.4°F (23°C)	D 5147	38%	45%	45%
Installation	Dimensional Stability	D 5147	1.0%	0.2%	0.1%
	Net Mass per Unit Area	D 146	54 lb/100 ft ² (24 kg/9.29 m ²)	55 lb/100 ft ² (25 kg/9.29 m ²)	
	Roll Weight	D 146	N/A	86 lb (39 kg)	

*MD = Machine Direction

**XMD = Cross-Machine Direction

Note: All data represents tested values.