

SOPRALAST®

50 TV ALU

SOPRALAST® 50 TV ALU
PRODUCT # 05181

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

SOPRALAST 50 TV ALU is an SBS-modified bitumen cap ply for use in approved multi-ply membrane and flashing assemblies. SOPRALAST 50 TV ALU is composed of a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen and is reinforced with a high strength glass scrim. The topside is surfaced with an aluminum foil and underside is surfaced with polyolefin burn-off film to optimize heat welding.

STORAGE & HANDLING

Store rolls on end and maintain in an upright position to prevent damage. Store rolls in a clean dry location and cover as necessary to protect rolls from environmental damage such as extreme cold, heat, or moisture. Monitor varying environmental conditions during storage, handling and application of SOPRALAST 50 TV ALU.

APPLICATION

Prior to installation, unroll SOPRALAST 50 TV ALU onto the roof surface and allow to relax. Position SOPRALAST 50 TV ALU in desired position and back roll the product. SOPRALAST 50 TV ALU is then heat welded to approved substrates. Refer to the SOPREMA® SBS Roofing Manual for additional application guidelines.



APPLICATION



HEAT-WELDED

COOL ROOF RATING

PRODUCT	SOLAR REFLECTANCE		THERMAL EMITTANCE		SRI	
	0.87 initial	0.72 3 year	0.05 initial	0.10 3 year	93 initial	64 3 year
SOPRALAST 50 TV ALU	0.87 initial	0.72 3 year	0.05 initial	0.10 3 year	93 initial	64 3 year

QUICK FACTS

ASTM STANDARD	LENGTH (ft)	WIDTH (in)	COVERAGE* (ft²)	THICKNESS (mils)	WEIGHT (lb)	ROLLS/PALLET (pallet weight)
D6298	32.8 (10.0 m)	39.4 (1.0 m)	96.6 (9.0 m²)	157 (4.0 mm)	94 (42.7 kg)	25 (2,400 lb/ 1089 kg)

* Coverage rate as reported assumes installation using side and end lap recommendations.



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TECHNICAL INFORMATION & TESTING

SHEET PROPERTIES	
Reinforcement	Glass scrim
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
Top surfacing	Continuous aluminum foil
Back surfacing	Polyolefin film
Selvage surface	Polyolefin film
Selvage width, in (mm)	3.5 in (90 mm)
End lap, in (mm)	6 in (152 mm)

DIMENSIONS & MASS		
PROPERTY		TEST METHOD
Thickness, mils (mm)	157 (4.0)	ASTM D5147
Bottom coating thickness, mils (mm)	≥ 40 (1.0)	ASTM D5147
Net mass per unit area, lb/100ft ² (g/m ²)	87.5 (4273)	ASTM D5147

PHYSICAL PROPERTIES			
PROPERTY	MD	XMD	TEST METHOD
Peak load @ 0°F (-18°C), lbf/in (kN/m)	200 (35.2)	175 (30.8)	ASTM D5147
Elongation at peak load @ 0°F (-18°C), %	10	10	ASTM D5147
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	95 (16.7)	95 (16.7)	ASTM D5147
Elongation at peak load @ 73.4°F (23°C), %	20	20	ASTM D5147
Ultimate elongation @ 73.4°F (23°C), %	50	50	ASTM D5147
Tear strength @ 73.4°F (23°C), lbf (N)	190 (845)	205 (912)	ASTM D5147
Low temperature flexibility, °F (°C)	-15 (-26)	-15 (-26)	ASTM D5147
Dimensional stability, %	< 0.2	< 0.2	ASTM D5147
Compound stability, °F (°C)	230 (110)	230 (110)	ASTM D5147
Water absorption, %	< 1		ASTM D5147

* Data is represented by average values, unless noted otherwise.

TESTING & APPROVALS

