SOPRALAST® 50 TV ALU

SBS-Modified Bitumen Cap Sheet

PRODUCT DATA SHEET PDS10081 - REV 230626

PRODUCT NUMBERS:

• 05181 - 32.8 ft x 39.4 in (10.0 x 1.0 m) - Roll

DESCRIPTION & FEATURES:

SOPRALAST 50 TV ALU is a SBS-modified bitumen membrane used in roofing assemblies. **SOPRALAST 50 TV ALU** is reinforced with a glass fiber scrim that is saturated and coated on both sides with a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen.

- SBS rubber polymer enhances the asphalt blend adding elongation, elasticity and flexibility to the sheet
- Topside is surfaced with a reflective aluminum foil, which is designed to improve UV resistance
- Manufactured using recycled asphalt shingles in formulation
- Underside is surfaced with polyolefin burn-off film to optimize heat welding
- · Meets or exceeds requirements of ASTM D6298, Type I

USES:

SOPRALAST 50 TV ALU is used as a component in the following systems.

USE	OVERLYING MATERIAL		
Field Cap Ply ¹	N/A		
Flashing Cap Ply ¹	N/A		

¹ Refer to SOPREMA's SBS-Modified Bitumen Roofing Membrane Technical Manual

APPLICATION:

Prior to installation, unroll **SOPRALAST 50 TV ALU** onto the roof surface and allow to relax. Place **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-Modified Bitumen Membrane Roofing Technical Manual for complete application guidelines.

STORAGE:

Store rolls in an upright position to prevent damage. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture.

TESTING & APPROVALS:



WARRANTY:

For more information refer to www.SOPREMA.us or contact your SOPREMA representative.

SUSTAINABILITY

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

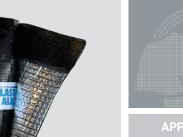
CRRC published results for Solar Reflectance, Thermal Emittance and SRI results were tested and evaluated in accordance with ASTM C1549, C1371, E1980, D7897 and the CRRC-1 Product Rating Program Manual

* CRRC Rapid Ratings. Refer to Cool Roof Ratings Council (CRRC).



RECYCLED CONTENT

POST-CONSUMER





ROOFING







PRODUCT DATA SHEET PDS10081 - REV 23062

ROOFING

TECHNICAL INFORMATION & TESTING:

SHEET PROPERTIES				
PROPERTY	VALUE			
Composition	Proprietary blend of bitumen and SBS polymers			
ASTM Standard	D6298, Type I			
Reinforcement	Glass scrim			
Top surfacing	Reflective foil			
Back surfacing	Polyolefin film			
Selvage surfacing	Polyolefin film			
Selvage width, in (mm)	3.5 (89)			

DIMENSIONS & MASS				
PROPERTY	VALUE	ASTM TEST METHOD		
Length, ft (m)	32.8 (10.0)	D5147		
Width, in (m)	39.4 (1.0)	D5147		
Coverage,* ft ² (m ²)	96.6 (9.0)	D5147		
Roll weight, lb (kg)	95 (43.0)	D5147		
Rolls per pallet	25	D5147		
Pallet weight, lb (kg)	2,425 (1,098)	D5147		
Thickness (minimum), mils (mm)	150 (3.8)	D5147		
Thickness (nominal), mils (mm)	157 (4.0)	D5147		
Thickness (selvage), mils (mm)	138 (3.5)	D5147		
Net mass per unit area, lb/100 ft ² (g/m ²)	87.5 (4,273)	D5147		
Bottom coating thickness, mils (mm)	≥ 40 (1.0)	D5147		

 ${}^{*} Coverage\ rate\ as\ reported\ assumes\ installation\ using\ side\ and\ end\ lap\ recommendations.$

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

Data is represented by average values, unless noted otherwise.

