SOPRALAST® 50 TV ALU

SBS-Modified Bitumen Cap Sheet

PRODUCT DATA SHEET PDS10081 - REV 230626

APPLICATIONS

ROOFING

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:

HEAT WELDED

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:

CRRC COOL ROOF RATING COUNCIL RATED PRODUCT

FM APPROVED

CLASSIFIED UL

FLORIDA BUILDING CODE

MIAMI-DADE COUNTY APPROVED

NOA # 20-0825.11

LA DBS DEPARTMENT OF BUILDING AND SAFETY

LARR # 26062

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
10%

SOPREMA®

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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,* ft² (m²)	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 ft² (g/m²)	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, °F (°C)	-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.