



# SOPRALAST 50 TV ALU

SOPRALAST 50 TV ALU (57)      Order No. 05181



## DESCRIPTION

SOPRALAST 50 TV ALU is fiberglass scrim reinforced roofing membranes combined with selected SBS modified bitumen, with an underside plastic burn-off film and a topside metal facing to form heat-welded, metal-clad membranes. When heat-welding, use a damp sponge or mop to cool the metal film immediately after application. See published Specifications and Approved Details.

## COMPOSITION & PACKAGING

Product/ Property	SOPRALAST 50 TV ALU
Reinforcement	Grid glass mat
Elastomeric Bitumen	selected blend of bitumen & SBS thermoplastic polymers
Top Surface	Aluminum
Bottom Surface	Plastic film
Approximate Nominal Thickness	160 mils (4 mm)
Approximate Roll Coverage	97.5 ft <sup>2</sup> (9.1 m <sup>2</sup> )
Side Lap	3.5" (90 mm)
End Lap	6" (152 mm)
Roll Length	33' (10 m)
Roll Width	39" (1 m)
Approximate Roll Weight	95 lbs (43 kg)
Rolls per Pallet*	25
*Rolls stocked upright on pallet	

## APPROVALS

See Underwriters Laboratories Inc. File #R11436, FM Approvals, ICC/ES, Miami-Dade County or Florida Building Code Product Approval Listings for current Approved Roof Assembly combinations. Soprema is ISO-9001:2008 Certified.

## WARRANTY

Contact your local SOPREMA representative for project warranty offerings.




## PHYSICAL PROPERTIES

Physical Property per ASTM D 6298	MD	XD
Tensile - Max Load at 0 ± 3.6°F lbf/in	200	175
Elongation at 0 ± 3.6°F %	12	10
Tensile - Max Load at 73.4 ± 3.6°F lbf/in	136	134
Elongation at 73.4 ± 3.6°F %	8	8
Tear Strength at 73.4 ± 3.6°F lbf	130	130
Low Temperature Flex °F max	-15	-15
Dimensional Stability % max	<0.2	<0.2
Compound Stability Temp F	250	250
Minimum values before and after Heat Conditioning Test results for manufacturing plant in Wadsworth, OH		

## GENERAL

SOPREMA is a Certified ISO 9001:2008 worldwide producer of bituminous membranes with factories in Europe and North America. Waterproofing sheets have been produced by SOPREMA since 1908. Today, through a special mixture of components, SOPREMA membranes redefine the qualities indispensable to a high performance roof membrane: elasticity, flexibility, heat & fatigue resistance.

SOPREMA SBS modified bitumen membrane assemblies typically consist of base and top ply membranes that have specific type reinforcements in order to meet specific ASTM Standards. The two ply system provides a resistance to punctures and tears, as well as ensuring an effective distribution of stress points. The two ply system operates in a homogeneous fashion. The bitumen in each layer moves uniformly to offer continuous protection.

		<u>Initial</u>	<u>Weathered</u>
	Solar Reflectance	0.87	0.72
	Thermal Emittance	0.05	0.10
	Rated Product ID Number	0772-0028	
	Licensed Seller ID Number	0772	
	Classification	Production Line	
<small>Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary. Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</small>			

CA Title 24 Compliant Initial/Weathered - CRRCC Rated	Reflectivity 0.87 / 0.72	Emmissivity 0.05 / 0.10
LEED	Recycled Content 0%	
	Production Location: Wadsworth, OH, Gulfport, MS & Chilliwack, BC	
Solar Reflective Index(SRI)		
	Initial	Weathered
	93.4	63.8