



# PRODUCT DATA SHEET

PDS-420

Rev 01/12

# SOPRASTAR FLAM

SOPRASTAR FLAM (92)

Order No. 00026



## DESCRIPTION & APPLICATION

SopraStar Flam is composed of selected SBS modified bitumen applied onto a polyester reinforcement with a polypropylene film underside and a reflective white top surface.

The field and flashing base membrane plies are adhered to a properly prepared, clean, dry and/or primed (where required) substrate by using the specified method. Optional inner ply(s) are bonded to the properly prepared, clean, dry and/or primed (where required) top surface using the appropriate application method. A SopraStar Flam heat welded cap sheet is installed over film surfaced or a high brush sanded base membrane.

SopraStar cap membranes are manufactured with fire retardant agents (FR) for UL and ASTM E-108 Class A Ratings. See published Specifications and Approved Details.

## COMPOSITION & PACKAGING

Product/Property	SOPRASTAR FLAM
Carry Mat	Stabilized Polyester
Elastomeric Bitumen	Select blend of bitumen & SBS thermoplastic polymers
Topside	Highly Reflective Reinforcement Film
Underside	film
Nominal Thickness	138 mils (3.5 mm)
Approximate Roll Coverage	97 sq. ft. (9.1 m <sup>2</sup> )
Side Lap	4" (102 mm)
End Lap	6" (152 mm)
Roll Length	33 ft. (10 m)
Roll Width	39 in. (1 m)
Approximate Roll Weight	90 lbs. (41 kg)
Rolls per Pallet*	25
* Rolls stocked upright on pallet	

## WARRANTY

Contact your local SOPREMA representative for project warranty offerings.

## 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.




## PHYSICAL PROPERTIES

Physical Property per ASTM D 6164, Type II, Grade S & ASTM D 6162, Type I, Grade S Tested in accordance with ASTM D 5147	MD	XD
Tensile - Max Load at 0 ± 3.6°F lbf/in	162	117
Elongation at 0 ± 3.6°F %	49	30
Tensile - Max Load at 73.4 ± 3.6°F lbf/in	105	90
Elongation at 73.4 ± 3.6°F %	59	78
Tear Strength at 73.4 ± 3.6°F lbf	138	162
Low Temperature Flex °F max	-15	-15
Dimensional Stability % max	0.2	0.2
Compound Stability Temp F	239	239
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>	CA Title 24 Compliant Initial/ Weathered - CRRC Rated	Reflectivity 0.78 / 0.74	Emmissivity 0.89 / 0.66
	Solar Reflectance	0.78	0.74			
	Thermal Emittance	0.89	0.66	LEED	Recycled Content 0%	
	Rated Product ID Number	0772-0026			Production Location: Wadsworth, OH	
Licensed Seller ID Number	0772		Solar Reflective Index(SRI)			
Classification	Production Line		Initial	Weathered		
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.			96	85.9		
Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.						