

SOPRAPLY BASE 510

TECHNICAL DATA SHEET 240212SCANE

(supersedes 230927SCANE)



WATERPROOFING

APPLICATIONS

ROOFS

DESCRIPTION

SOPRAPLY BASE 510 is a high performance base sheet membrane composed of SBS modified bitumen and a composite reinforcement. The surface is covered with a thermofusible plastic film and the underface is sanded.

INSTALLATION

HOT BITUMEN

SOPRAPLY BASE 510 is unrolled in a bed of hot bitumen (SEBS or oxidized) applied with a mop.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

GENERAL INFORMATION

Specifications	SOPRAPLY BASE 510
Reinforcement	Composite
Dimensions	15 x 1 m (49 x 3.3 ft)
Selvedge width	75 mm (3 in)
Surface	Thermofusible plastic film
Underface	Sanded

(All values are nominal)



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NOTE: All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

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PROPERTIES

Properties	SOPRAPLY BASE 510		CSA A123.23 Type C, Grade 3 Requirements
	BEFORE Heat Conditioning	AFTER Heat Conditioning	
Thickness, min.	2.5 mm (98 mils)		1.8 mm (70 mils)
Selvage thickness, min.	2.5 mm (98 mils)		1.8 mm (70 mils)
Mass per unit area, min.	3.3 kg/m ² (70 lb/100 ft ²)		2.2 kg/m ² (45 lb/100 ft ²)
Strain energy, min. MD/XD, at 23 °C ± 2 °C (73.4 °F ± 3.6 °F) at -18 °C ± 2 °C (0 °F ± 3.6 °F)	8/6.5 kN/m (46/37 lbf/in) 8/7 kN/m (46/40 lbf/in)	7/6 kN/m (40/34 lbf/in) 6.5/6 kN/m (37/34 lbf/in)	5.5 kN/m (31 lbf/in) 3.0 kN/m (17 lbf/in)
Peak load, min. MD/XD, at 23 °C ± 2 °C (73.4 °F ± 3.6 °F) at -18 °C ± 2 °C (0 °F ± 3.6 °F)	17/14 kN/m (97/80 lbf/in) 22/19 kN/m (126/108 lbf/in)	18/15 kN/m (103/86 lbf/in) 22/17 kN/m (126/97 lbf/in)	Report value Report value
Elongation at peak load, min. MD/XD, at 23 °C ± 2 °C (73.4 °F ± 3.6 °F) at -18 °C ± 2 °C (0 °F ± 3.6 °F)	55/55% 45/45%	50/50% 35/35%	Report value Report value
Ultimate elongation, MD/XD, at 23 °C ± 2 °C (73.4 °F ± 3.6 °F)	65/65%	55/55%	Report value
Dimensional stability, max. MD/XD	±0.2/±0.2%		0.5%
Low temperature flexibility, max. MD/XD	-27/-27 °C (-17/-17 °F)	-18/-18 °C (-0.4/-0.4 °F)	-18 °C (-0.4 °F)
Compound stability	121/121 °C (250/250 °F)		min. 91 °C (195 °F)
Resistance to puncture	Pass		Pass

(All values are nominal)

STORAGE AND HANDLING

Rolls must be stored upright, with the selvage side on top. If the products are stored outdoors, cover them with an opaque protection cover after removal of the delivery packaging.



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