



WATERPROOFING

APPLICATIONS

ROOFS

SOPRAPLY BASE 510

TECHNICAL DATA SHEET 200316SCANE

(supersedes 130423SCAN1E)

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.

PACKAGING

Specifications	SOPRAPLY BASE 510
Thickness	2.5 mm (98 mils)
Reinforcement	Composite
Dimensions	15 x 1 m (49 x 3.3 ft)
Weight	3.3 kg/m ² (0.7 lb/ft ²)
Selvedge width	75 mm (3 in)
Surface	Thermofusible plastic film
Underface	Sanded

(All values are nominal)



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TDS_SOPRAPLY_BASE_510.indd



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PROPERTIES

As per CSA A123.23-15, Type C, Grade 3.

Properties	SOPRAPLY BASE 510	
	BEFORE Heat Conditioning	AFTER Heat Conditioning
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)
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)
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 %
Ultimate elongation, MD/XD At 23 °C ± 2 °C (73.4 °F ± 3.6 °F)	65/65 %	55/55 %
Dimensional stability, max MD/XD	±0.2/±0.2 %	
Low temperature flexibility, max MD/XD	-27/-27 °C (-17/-17 °F)	-18/-18 °C (0/0 °F)
Compound stability at 91 °C (196 °F)	121/121 °C (250/250 °F)	
Resistance to puncture	Pass	

(All values are nominal)

STORAGE AND HANDLING

Rolls must be stored upright, with the selvedge 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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