



WATERPROOFING

APPLICATIONS

ROOFS

SOPRAPLY BASE 520

TECHNICAL DATA SHEET 200316SCANE

(supersedes 130423SCAN2E)

DESCRIPTION

SOPRAPLY BASE 520 is a high performance base sheet membrane composed of SBS modified bitumen and a composite reinforcement. Both sides are covered with a thermofusible plastic film.

INSTALLATION

HEAT-WELDED

SOPRAPLY BASE 520 is heat-welded with a propane torch.

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

PACKAGING

Specifications	SOPRAPLY BASE 520
Thickness	2.5 mm (98 mils)
Reinforcement	Composite
Dimensions	10 x 1 m (33 x 3.3 ft)
Weight	3.3 kg/m ² (0.7 ft ²)
Selvedge width	75 mm (3 in)
Surface	Thermofusible plastic film
Underface	Thermofusible plastic film

(All values are nominal)



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TDS_SOPRAPLY_BASE_520.indd



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PROPERTIES

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

Properties	SOPRAPLY BASE 520	
	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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2/2