



WATERPROOFING

APPLICATIONS

ROOFS

SOPRAPLY BASE 520

TECHNICAL DATA SHEET 240212SCANE

(supersedes 230927SCANE)

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.

GENERAL INFORMATION

Specifications	SOPRAPLY BASE 520
Reinforcement	Composite
Dimensions	10 x 1 m (33 x 3.3 ft)
Selvedge width	75 mm (3 in)
Surface	Thermofusible plastic film
Underface	Thermofusible plastic film

(All values are nominal)



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sopca-en-ca-tds-sopraply-base-520.incd



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PROPERTIES

Properties	SOPRAPLY BASE 520		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)
Back surface coating thickness	≥ 1.0 mm (≥ 40 mils)		min. 1.0 mm (40 mils)
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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2/2