

SOPRAPLY

TRAFFIC CAP PLUS G/P 4.0 (FR)

TECHNICAL DATA SHEET 240212SCANE

(supersedes 230919SCANE)



WATERPROOFING

APPLICATIONS

ROOFS

DESCRIPTION

SOPRAPLY TRAFFIC CAP PLUS G/P 4.0 is a high performance cap sheet membrane composed of SBS modified bitumen and a composite reinforcement. The surface is protected by coloured granules and the underface is covered with a thermofusible plastic film.

Fire rated (FR) cap sheet membrane (SOPRAPLY TRAFFIC CAP PLUS G/P 4.0 FR) is available to increase fire resistance. This membrane allows the roofing system to meet the requirements of the CAN/ULC-S107 Class A standard.

INSTALLATION

HEAT-WELDED

SOPRAPLY TRAFFIC CAP PLUS G/P 4.0 and SOPRAPLY TRAFFIC CAP PLUS G/P 4.0 FR membrane are heat-welded with a propane torch.

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

GENERAL INFORMATION

Specifications	SOPRAPLY TRAFFIC CAP PLUS G/P 4.0 & SOPRAPLY TRAFFIC CAP PLUS G/P 4.0 FR
Reinforcement	Composite
Dimensions	8 x 1 m (26 x 3.3 ft)
Selvage width	75 mm (3 in)
Surface	Granules
Underface	Thermofusible plastic film

(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 is current at the date of manufacturing.

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PROPERTIES

Properties	SOPRAPLY TRAFFIC CAP PLUS G/P 4.0 & SOPRAPLY TRAFFIC CAP PLUS G/P 4.0		CSA A123.23 Type C, Grade I Requirements
	BEFORE Heat Conditioning	AFTER Heat Conditioning	
Thickness, min.	4.0 mm (157 mils)		2.8 mm (110 mils)
Selvedge thickness, min.	2.9 mm (114 mils)		1.8 mm (70 mils)
Mass per unit area, min.	4.8 kg/m ² (101 lb/100 ft ²)		2.9 kg/m ² (60 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)	9.5/8.5 kN/m (54/49 lbf/in) 12.0/11.0 kN/m (69/63 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)	19.0/16.0 kN/m (108/91 lbf/in) 24.0/20.0 kN/m (137/114 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)	65/65% 55/70%	50/50% 35/35%	Report value Report value
Ultimate elongation, MD/XD, at 23 °C ± 2 °C (73.4 °F ± 3.6 °F)	100/100%	55/55%	Report value
Dimensional stability, max. MD/XD	±0.2/±0.2%		0.5%
Low temperature flexibility, max. MD/XD	-25/-25 °C (-13/-13 °F)	-18/-18 °C (-0.4/-0.4 °F)	-18 °C (-0.4 °F)
Low temperature flexibility after UV weathering, max. MD/XD	-12/-12 °C (10/10 °F)		-12 °C (10 °F)
Compound stability	95 °C (203 °F)		min. 91 °C (195 °F)
Resistance to puncture	Pass		Pass
Granule embedment	< 2.0 g (0.07 oz)		max. 2.0 g (0.07 oz)

(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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