

SOPRALENE

180 SP 3.5

TECHNICAL DATA SHEET 200610SCANE

(supersedes 200316SCANE)



WATERPROOFING

APPLICATIONS

ROOFS

DESCRIPTION

SOPRALENE 180 SP 3.5 is a vapour barrier composed of SBS modified bitumen and a non-woven polyester reinforcement. The surface is sanded and the underface is covered with a thermofusible plastic film.

INSTALLATION

HEAT-WELDED

SOPRALENE 180 SP 3.5 is heat-welded with a propane torch.

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

PACKAGING

Specifications	SOPRALENE 180 SP 3.5
Thickness	3.5 mm (138 mils)
Reinforcement	Non-woven polyester
Dimensions	10.2 x 1 m (33.5 x 3.3 ft)
Weight	4.2 kg/m ² (0.86 lb/ft ²)
Selvedge width	75 mm (3 in)
Surface	Sanded
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 was current at the date of manufacture.

TDS_SOPRALENE_180_SP_3.5.indd

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PROPERTIES

Properties	Standards	SOPRALENE 180 SP 3.5	
		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)	CSA A123.23-15, Type B, Grade 3	6.5/6.5 kN/m (37/37 lbf/in) 8.0/4.0 kN/m (46/23 lbf/in)	5.5/5.5 kN/m (31/31 lbf/in) 3.1/3.1 kN/m (18/18 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)		15/11 kN/m (86/63 lbf/in) 22/17 kN/m (126/97 lbf/in)	14/10 kN/m (80/57 lbf/in) 19/11 kN/m (108/63 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)		50/60 % 30/30 %	15/50 % 7/21 %
Ultimate elongation, MD/XD At 23 °C ± 2 °C (73.4 °F ± 3.6 °F)		55/70 %	45/45 %
Dimensional stability, max MD/XD		±0.5/±0.1 %	
Low temperature flexibility, max MD/XD		-18/-18 °C (0/0 °F)	
Compound stability at 102 °C (216 °F)		121/121 °C (250/250 °F)	
Resistance to puncture		Pass	
Water vapour transmission	ASTM E96 (Procedure B)	< 2.5 ng/Pa·s·m ² (< 0.04 perm)	

(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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