

# SOPRALENE



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SOPRALENE 180 SANDED    SOPRALENE FLAM 180  
SOPRALENE 180 GR        SOPRALENE FLAM 180 GR  
SOPRALENE 180 SP 3.5

TECHNICAL DATA SHEET  
**121031SCAN1E**  
(supersedes 110309SCAN1E)

## DESCRIPTION

SOPRALENE 180 membranes are composed of a non-woven polyester reinforcement and SBS modified bitumen. SOPRALENE cap sheets are also available with fire retardant additives (FR) for better fire resistance.

FOR COMPLETE INFORMATION ON APPLICATION AND SYSTEMS, PLEASE CONSULT OUR SPECIFICATION MANUAL.

## PROPERTIES

(As per CAN/CGSB-37.56-M, 9th draft).

Properties	SOPRALENE				
	180 SANDED	180 GR	180 SP	FLAM 180 GR	FLAM 180
Thickness	3.0 mm	4.0 mm	3.5 mm	4.0 mm	3.0 mm
Dimension	10 x 1 m		10.2 x 1 m	8 x 1 m	10 x 1 m
Weight	35 kg	50 kg	43 kg	39 kg	36 kg
Top face	Sand	Granules	Sand	Granules	Film
Underface	Sanded		Thermofusible plastic film		
Reinforcement	Non-woven polyester				
Storage	Upright on pallet				
Application method	Bonded with hot asphalt		Torch applied		
Strain energy, (MD/XD)	9.0 / 7.0 kN/m				
Breaking strength, MD/XD	17 / 12.5 kN/m				
Ultimate elongation, MD/XD	60 / 65 %				
Tear resistance	60 N				
Static puncture	400 N				
Dimensional stability, MD/XD	-0.3 / 0.3 %				
Water Vapour Transmission (ASTM E96 method B)	0.21 ng / Pa.s.m <sup>2</sup>				
Plastic flow	105 °C				
Cold bending*	-30 °C				
Lap adhesion					
- initial	23,5 kN/m				
- 5 days at 50 °C	24,0 kN/m				
- 14 days at 70 °C	24,0 kN/m				

\* Initial and after 90 days ageing at 70 °C.

(All values are nominal)

