

# SOPRALENE



1.877.MAMMOUTH  
www.soprema.ca

**SOPRALENE 180 SANDED**  
**SOPRALENE 180 GR**  
**SOPRALENE 180 SP 3.5**

**SOPRALENE FLAM 180**  
**SOPRALENE FLAM 180 GR**

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.

**SOPRALENE FLAM 180** can be used as a waterproofing membrane on foundation walls and others horizontal or vertical below grade concrete surfaces.

**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				
-	5 days at 50 °C				
-	14 days at 70 °C				
			23,5 kN/m		
			24,0 kN/m		
			24,0 kN/m		

\* Initial and after 90 days ageing at 70 °C.  
(All values are nominal)



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