



WATERPROOFING

APPLICATIONS

ROOFS

# ELASTOPHENE

## 180 PS

TECHNICAL DATA SHEET 200316SCANE

(supersedes 030128CAN4E)

### DESCRIPTION

ELASTOPHENE 180 PS is a base sheet membrane composed of SBS modified bitumen and a non-woven polyester reinforcement. The surface is covered with a thermofusible plastic film and the underface is sanded.

### INSTALLATION

HOT BITUMEN

ELASTOPHENE 180 PS is unrolled in a bed of hot bitumen (SEBS or oxidized) applied with a mop.

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

### PACKAGING

Specifications	ELASTOPHENE 180 PS
Thickness	2.2 mm (87 mils)
Reinforcement	Non-woven polyester
Dimensions	15 x 1 m (49 x 3.3 ft)
Weight	2.5 kg/m <sup>2</sup> (0.5 lb/ft <sup>2</sup> )
Selvedge width	75 mm (3 in)
Surface	Thermofusible plastic film
Underface	Sanded

(All values are nominal)



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TDS\_ELASTOPHENE\_180\_PS.indd

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### PROPERTIES

As per CSA A123.23-15, Type B, Grade 3.

Properties	ELASTOPHENE 180 PS	
	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)	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)	-18/-18 °C (0/0 °F)
Compound stability at 102 °C (216 °F)	121/121 °C (250/250 °F)	
Resistance to puncture	Pass	

(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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