

ELASTOPHENE

180 PS DG

TECHNICAL DATA SHEET 240405SCANE

(supersedes 200316SCANE)



WATERPROOFING

APPLICATIONS

ROOFS

DESCRIPTION

ELASTOPHENE 180 PS DG 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. The membrane is also provided with two selvages protected by a silicone release film.

INSTALLATION

HOT BITUMEN

ELASTOPHENE 180 PS DG 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.

GENERAL INFORMATION

Specifications	ELASTOPHENE 180 PS DG
Reinforcement	Non-woven polyester
Dimensions	15 x 1 m (49 x 3.3 ft)
Selvages width	75 mm (3 in)
Surface	Thermofusible plastic film
Underface	Sanded

(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.

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PROPERTIES

Properties	ELASTOPHENE 180 PS DG		CSA A123.23 Type B, Grade 3 Requirements
	BEFORE Heat Conditioning	AFTER Heat Conditioning	
Thickness, min.	2.2 mm (85 mils)		2.2 mm (85 mils)
Selvage thickness, min.	2.3 mm (90 mils)		2.2 mm (85 mils)
Mass per unit area, min.	2.65 kg/m ² (54.4 lb/100 ft ²)		2.6 kg/m ² (53 lb/100 ft ²)
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)	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)	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)	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)	50/60% 30/30%	15/50% 7/21%	Report value Report value
Ultimate elongation, MD/XD, at 23 °C ± 2 °C (73.4 °F ± 3.6 °F)	55/70%	45/45%	Report value
Dimensional stability, max. MD/XD	±0.5/±0.1%		1.0%
Low temperature flexibility, max. MD/XD	-18/-18 °C (-0.4/-0.4 °F)	-18/-18 °C (-0.4/-0.4 °F)	-18 °C (-0.4 °F)
Compound stability	121/121 °C (250/250 °F)		min. 102 °C (215 °F)
Resistance to puncture	Pass		Pass

(All values are nominal)

STORAGE AND HANDLING

Rolls must be stored upright, with the selvage 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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