ELASTOPHENE
FLAM

WATERPROOFING

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET 240214SCANE (supersedes 230927SCANE)

DESCRIPTION

ELASTOPHENE FLAM is a base sheet membrane composed of SBS modified bitumen and a glass mat reinforcement. Both sides are covered with a thermofusible plastic film.

INSTALLATION

HEAT-WELDED

ELASTOPHENE FLAM membrane is heat-welded with a propane torch.

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

GENERAL INFORMATION

Specifications	ELASTOPHENE FLAM
Reinforcement	Glass mat
Dimensions	10 x 1 m (33 x 3.3 ft)
Selvedge width	75 mm (3 in)
Surface	Thermofusible plastic film
Underface	Thermofusible plastic film

(All values are nominal)

SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

SOPREMA®

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PROPERTIES

Properties	ELASTOPHENE FLAM		CSA A123.23 Type A, Grade 3 Requirements
	BEFORE Heat Conditioning	AFTER Heat Conditioning	
Thickness, min.	3.0 mm (118 mils)		2.0 mm (80 mils)
Selvedge thickness, min.	3.0 mm (118 mils)		2.0 mm (80 mils)
Mass per unit area, min.	3.8 kg/m² (80 lb/100 ft²)		2.2 kg/m² (45 lb/100 ft²)
Back surface coating thickness	≥ 1.0 mm (≥ 40 mils)		min. 1.0 mm (40 mils)
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)*	0.5/0.45 kN/m (2.8/2.6 lbf/in) 0.4/0.4 kN/m (2.3/23 lbf/in)	0.4/0.3 kN/m (2.3/1.7 lbf/in) 0.4/0.3 kN/m (2.3/1.7 lbf/in)	Report value Report value
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)*	13/8 kN/m (74/46 lbf/in) 21/21 kN/m (120/120 lbf/in)	18/12 kN/m (103/68 lbf/in) 21/18 kN/m (120/103 lbf/in)	5.3 kN/m (30 lbf/in) 12.3 kN/m (70 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)*	4/3% 4/4%	4/4% 3/3%	2/2% 1/1%
Ultimate elongation, MD/XD, *at 23 °C ± 2 °C (73.4 °F ± 3.6 °F)*	21/27%	5/5%	3/3%
Dimensional stability, max. MD/XD	±0.2/±0.2%		0.5%
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	107/107 °C (225/225 °F)		min. 91 °C (195 °F)

(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.