

# SOPRALENE FLAM



**SOPREMA**

SOPREMA MIDDLE EAST  
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TECHNICAL DATA SHEET  
**140203SME2E**  
(supersedes -)

## DESCRIPTION

**SOPRALENE** is a series of reinforced membranes specially designed for roofing, below grade waterproofing and tanking applications. It is composed of SBS modified bitumen combined with a non woven spunbonded polyester reinforcement provides excellent puncture resistance. The top face is covered with a plastic film or slate flakes. The underface is covered with a thermofusible plastic film.

## APPLICATIONS

Membrane can be used in single ply or 2-ply applications, vertically and horizontally.

## INSTALLATION

The membrane is torched on appropriate substrate and the seams are heat welded to ensure watertightness of system. For complete installation specification and information please contact your local SOPREMA representative.

## HEALTH & ENVIRONMENT

The membrane does not contain any substance that might be detrimental to health or to the environment and complies with generally accepted health standards and Material Safety Data Sheet (MSDS).

## QUALITY CONTROL

**SOPREMA** has always attached the highest importance to quality control. For this reason, we operate an internationally recognized quality system meeting ISO 9001 & ISO 14001 standards, independently monitored and certified.

## PACKAGING

### NON WOVEN POLYESTER 180 g/m<sup>2</sup>

Specifications	3P10	4P10	5P10	4F10	5F10	3P15	4P15	5P15	4F15	5F15
Thickness	3.0 mm	4.0 mm	5.0 mm	4.0 mm	5.0 mm	3.0 mm	4.0 mm	5.0 mm	4.0 mm	5.0 mm
Roll dimensions	1 x 10 m	1 x 10 m	1 x 10 m	1 x 10 m	1 x 10 m	1 x 10 m	1 x 10 m	1 x 10 m	1 x 10 m	1 x 10 m
Roll weight	33 kg	44 kg	53 kg	44 kg	53 kg	33 kg	44 kg	53 kg	44 kg	53 kg
Surface	Film	Film	Film	Slate	Slate	Film	Film	Film	Slate	Slate
Underface	Thermofusible plastic film									
Storage	Upright on pallet									

### NON WOVEN POLYESTER 250 g/m<sup>2</sup>

Specifications	3P10	4P10	5P10	4F10	5F10	3P15	4P15	5P15	4F15	5F15
Thickness	3.0 mm	4.0 mm	5.0 mm	4.0 mm	5.0 mm	3.0 mm	4.0 mm	5.0 mm	4.0 mm	5.0 mm
Roll dimensions	1 x 10 m	1 x 10 m	1 x 10 m	1 x 10 m	1 x 10 m	1 x 10 m	1 x 10 m	1 x 10 m	1 x 10 m	1 x 10 m
Roll weight	33 kg	52 kg	62 kg	52 kg	62 kg	33 kg	52 kg	62 kg	52 kg	62 kg
Surface	Film	Film	Film	Slate	Slate	Film	Film	Film	Slate	Slate
Underface	Thermofusible plastic film									
Storage	Upright on pallet									



SYSTÈME QUALITÉ  
**ISO 9001**  
QUALITY SYSTEM



SYSTÈME ENVIRONNEMENT  
**ISO 14001**  
ENVIRONMENT SYSTEM

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## PROPERTIES

Properties	Standards	SOPRALENE 180	SOPRALENE 250
Tensile strength, MD/XD	ASTM D5147 / ASTM D146	800 / 650 N/5 cm	1050 / 850 N/5 cm
Ultimate elongation, MD/XD	UEAtc MOAT30	40 / 45 %	45 / 50 %
Cold flexibility	BS 747	-10 °C & -15 °C	-10 °C & -15 °C
Softening point	ASTM D36	≥130 °C	≥130 °C
Heat resistance after 2 hour @ 100 °C	ASTM D5147	No flow	No flow
Resistance to static puncture	BS 747	L4 (25 kg)	L4 (25 kg)
Lap joint strength, MD/XD	BS 747	850 / 700 N/5 cm	1100 / 900 N/5 cm
Resistance to hydrostatic pressure	BS 747	70 m	70 m
Water vapor transition	ASTM E96	0.2 g/m <sup>2</sup>	0.2 g/m <sup>2</sup>

Tolerance Values according to UEAtc.  
(All values are nominal)



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