

# TECHNICAL DATA SHEET

# SOPRALENE

## SOPRALENE FLAM 180

## SOPRALENE FLAM 180 AR ( SLATE CHIPPINGS )

### DESCRIPTION

SOPRALENE FLAM 180 and SOPRALENE FLAM 180 AR are torch weldable waterproofing membranes, made up of SBS elastomeric bitumen and a non woven polyester reinforcement.

### COMPOSITION

	SOPRALENE FLAM 180	SOPRALENE FLAM 180 AR
- Reinforcement	non woven polyester 180 g/m <sup>2</sup>	
- Elastomeric bitumen	blend of selected bitumen and SBS thermoplastic polymers	
- Upperface	Thermofusible plastic film	Slate chippings - Grey - Black - Matisse (dark brown) - Cézanne (light brown) - Veronese (green) - Gauguin (red) - Chagall (light grey) - Van Gogh (ocre)
- Underside	Thermofusible plastic film	
- Nominal thickness	3 mm *	4 mm * (on slates)
- Overlap	6 cm ≥	

\* According to UEAtc

### CHARACTERISTICS

	SOPRALENE FLAM 180 SOPRALENE FLAM 180 AR	
	MDV (1)	MLV (2)
- Tensile strength *		
- Longitudinal	800 N/5 cm	550 N/5 cm
- Transversal	650 N/5 cm	500 N/5 cm
- Elongation at break *		
- Longitudinal	40 %	30 %
- Transversal	50 %	35 %
- Cold temperature flexibility **	No cracking at - 20°C	No cracking at - 15°C
- Flow property at high temperature **	110°C	100°C
- Dimensional stability **	0,3 %	0,5 %

(\*) According to NF G 07 - 001

(\*\*) According to UEAtc

(1) MDV = Manufacturers determined value: An arithmetic mean value of a minimum number of independent measurements.

(2) MLV = Manufacturers determined value: Minimum or maximum values as stated by the manufacturer to be met during testing of type, internal quality control or external supervision with a confidence level of 95%.

## PACKING

	SOPRALENE FLAM 180	SOPRALENE FLAM 180 AR
- Length	10 m	8 m
- Roll width	1 m	
- Storage	Upright on pallets with plastic shrink wrapping	
- Weight	36 kg	38 kg

Roll weight is given with a tolerance of  $\pm 1\%$ . Rolls must be stored on flat ground. Pallets may be stacked to a maximum of two high with a separating layer. During cold or bad weather, application of the product will be easier when protected against moisture and when stored at a temperature of at least  $+ 2^{\circ}\text{C}$  for 5 hours before installation.

## USER APPLICATION

**SOPRALENE FLAM 180** may be used as a first or top layer under additional protection (ballast or paving). **SOPRALENE FLAM 180 AR** is used as a top sheet in a two layer system over a first layer of elastomeric SBS bitument membrane reinforced with a non woven polyester or a glass fleece (**SOPRALENE FLAM 180** or **ELASTOPHENE FLAM 25 AR**). **SOPRALENE FLAM 180 AR** may be used as a single layer.

## INSTALLATION

Only by torching with a propane blowtorch. Neither **SOPRALENE FLAM 180** nor **SOPRALENE FLAM 180 AR** can be bonded with hot bitument or cold applied bituminous methods.

## SPECIAL INDICATIONS

### Health and Environment:

The membrane does not contain any substance which is likely to be detrimental to health or to environment and complies with generally admitted health and Safety requirements.

### Quality control:

SOPREMA has always attached the highest importance to Quality Control. For this reason, we operate an independently monitored and certified Quality Assurance System according to ISO 9001 / EN 29001, certified by AFAQ.

**SOPREMA** reserves the right to amend the composition of its material and consequently their prices, without prior notice. For this reason, all orders will be accepted only in accordance with the conditions and technical specifications in force at the date of order. R.C. STRASBOURG 558 500 187 00098