

## SOPRALENE MF 5000

### Description

Membrane composed of elastomer modified bitumen with fire retardant additives and a composite polyester reinforcement. Used as an upper layer within a single or multi layer waterproofing system where fire retardant properties are required. The upper surface is finished with slates and the overlap is protected by a thermofusible film. The lower surface is protected by a thermofusible film.

### Composition

Reinforcement	composite polyester
Finish upper side	slates
Colour	natural black
Finish lower side	thermofusible film
Coating mass	elastomer modified bitumen

### Packing

Dimensions of the roll (m)	8 x 1
Mass/roll (kg)	40
Rolls/pallet	20

### Characteristics

Membrane mass (kg) (EN 1849-1)	MDV	5,0
Membrane thickness overlap (mm) (EN 1849-1) (indicative)	MDV	3,5
Membrane thickness finishing (mm) (EN 1849-1) (indicative)	MDV	4,1
Tensile force L (N/5cm) (EN 12311-1)	MDV	850
Tensile force T (N/5cm) (EN 12311-1)	MDV	650
Elongation at maximum tensile force L (%) (EN 12311-1)	MDV	35
Elongation at maximum tensile force T (%) (EN 12311-1)	MDV	35
Dimensional stability (%) (EN 1107-1)	MLV	0,3
Resistance to tearing (nail shank) L (N) (EN 12310-1)	MDV	200
Resistance to tearing (nail shank) B (N) (EN 12310-1)	MDV	200
Resistance to impact at +23 °C (mm) (EN 12691-A)	MLV	1000
Resistance to impact at -10 °C (mm) (EN 12691-A)	MLV	20
Static loading (kg) (EN 12730-A)	MLV	20
Flexibility at low temperature (°C) (EN 1109)	MLV	-20
Flow resistance at elevated temperature (°C) (EN 1110)	MLV	110

MDV = manufacturer declared value / MLV = manufacturer limiting value / NPD = no performance determined

### Installation

- Mechanically fastened in the overlap, overlaps torched
- Fully applied by torch-on or hot-air method including the overlaps.

### Certifications

**P-mark 0702 (SE) - Sintef pending (NO).**  
**Meets classification Broof (t2) according to EN 13501 part 5. See certificate for more information.**

### Special indications

#### Hygiene, Health and Environment

The product does not contain any substance which is likely to be detrimental to your health or to the environment and complies with generally admitted Health and Safety Requirements. For more information, please refer to the relevant safety data sheet.

#### Quality-, Environment- and Safety Management

**SOPREMA** always recognises as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality and Environment Assurance Systems in line with **EN ISO 9001** and **EN ISO 14001**.

**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.