

SOPRALENE OPTIMA C3 GmF

Description

Membrane composed of elastomer modified bitumen and a composite polyester reinforcement. Used as an upper layer within a single or multi layer waterproofing system. The upper surface is finished with granules and the overlap is protected by a thermofusible film. The lower surface is protected by macro perforated thermofusible film and talcum/sand.

Characteristics

Composition	Standard	Unit	Value	Tolerance
Reinforcement			composite polyester	
Reinforcement mass		g/m ²	250	± 15 %
Finish upper side			granules	
Colour			black / flamed brown	
Finish lower side			macro perforated thermofusible film	
Coating mass			elastomer modified bitumen	
Technical characteristics				
Thickness overlap	EN 1849-1	mm	4,0	± 5 %
Thickness membrane (indicative)	EN 1849-1	mm	5,0	
Mass (indicative)	EN 1849-1	kg/m ²	5,8	
Tensile force (L / T)	EN 12311-1	N/50 mm	1300 / 1000	± 20 %
Elongation at max. tensile force (L / T)	EN 12311-1	%	35 / 35	± 15
Resistance to root penetration	EN 13948		NPD	
Resistance to static loading	EN 12730-A EN 12730-B	kg	≥ 20 ≥ 15	
Resistance to impact	EN 12691-A EN 12691-B	mm	≥ 1250 ≥ 1750	
Dimensional stability	EN 1107-1	%	≤ 0,3	
Resistance to tearing (nail shank) (L / T)	EN 12310-1	N	370 / 370	± 25 %
Flexibility at low temperature	EN 1109	°C	≤ -30	
Flexibility at low temperature after aging	EN 1109 / EN 1296	°C	-25	-15/+0
Flow resistance at elevated temperature	EN 1110	°C	≥ 110	
Flow resistance at elevated temperature after aging	EN 1110 / EN 1296	°C	100	-0/+20
Joint properties: peel resistance	EN 12316-1	N/50 mm	135	± 25 %
Joint properties: shear resistance	EN 12317-1	N/50 mm	670	± 25 %
Watertightness	EN 1928	kPa/24 h	≥ 10	
Reaction to fire	EN 13501-1	Class	NPD	
Packing				
Dimensions of the roll	EN 1848-1	m	≥ 8 x 1	
Mass/roll	EN 1941-1	kg	± 46	
Rolls/pallet			23	

NPD = no performance determined

Installation

- Fully adhered with bituminous cold adhesive, overlaps torched.
- Torch-on or hot-air method including the overlaps.

Certifications

- **BBA 3098 (UK)**
 - **Meets classification Broof (t4) according to EN 13501 part 5.**
- For more specifications see approval.**

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**.