

SOPRALENE GARDEN 5800

Description

Membrane composed of elastomer modified bitumen with root-repellent additives and a composite polyester reinforcement. Used as an upper layer within a single or multi layer waterproofing system for green roofs. 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.

Characteristics

Composition	Standard	Unit	Value	Tolerance
Reinforcement			composite polyester	
Reinforcement mass		(g/m ²)	170	± 15 %
Finish upper side			slates	
Colour			natural black	
Finish lower side			thermofusible film	
Coating mass			elastomer modified bitumen	
Technical characteristics				
Mass	EN 1849-1	kg/m ²	5,8	± 15 %
Thickness overlap (indicative)	EN 1849-1	mm	3,9	± 5 %
Thickness membrane (indicative)	EN 1849-1	mm	4,8	± 5 %
Tensile force (L / T)	EN 12311-1	N/50 mm	850 / 650	± 20 %
Elongation at max. tensile force (L / T)	EN 12311-1	%	35 / 35	± 15
Resistance to root penetration	EN 13948		pass	
Resistance to static loading	EN 12730-A EN 12730-B	kg	≥ 15 ≥ 15	
Resistance to impact	EN 12691-A EN 12691-B	mm	≥ 1000 ≥ 1500	
Dimensional stability	EN 1107-1	%	≤ 0,3	
Resistance to tearing (nail shank) (L / T)	EN 12310-1	N	270 / 270	± 25 %
Flexibility at low temperature	EN 1109	°C	≤ -20	
Flexibility at low temperature after aging	EN 1109 / EN 1296	°C	-10	-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 (10 kPa/24 h)	EN 1928-A		pass	
Reaction to fire	EN 13501-1	Class	NPD	
Packing				
Dimensions of the roll	EN 1848-1	m	≥ 5 / 8 x 1	
Mass/roll	EN 1941-1	kg	± 30 / 47	
Rolls/pallet			30 / 20	

NPD = no performance determined

Installation

- Fully applied by torch-on or hot-air method including the overlaps.

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**.

