

SOPRATORCH SL 490

Description

Membrane composed of elastomer modified bitumen and a non woven 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 a thermofusible film.

Characteristics

Composition	Standard	Unit	Value	Tolerance
Reinforcement			non woven polyester	
Reinforcement mass		g/m ²	140	± 15 %
Finish upper side			slates	
Colour			black	
Finish lower side			thermofusible film	
Coating mass			elastomer modified bitumen	
Technical characteristics				
Thickness membrane	EN 1849-1	mm	5,0	-0,2/+0,3
Thickness overlap (indicative)	EN 1849-1	mm	4,0	
Mass (indicative)	EN 1849-1	kg/m ²	6,5	
Tensile force (L / T)	EN 12311-1	N/50 mm	700 / 450	± 200/± 150
Elongation at max. tensile force (L / T)	EN 12311-1	%	45 / 45	± 15
Resistance to root penetration	EN 13948		NPD	
Resistance to static loading	EN 12730-A EN 12730-B	kg	≥ 15 NPD	
Resistance to impact	EN 12691-A EN 12691-B	mm	≥ 1000 NPD	
Dimensional stability	EN 1107-1	%	≤ 0,4	
Resistance to tearing (nail shank) (L / T)	EN 12310-1	N	NPD	
Flexibility at low temperature	EN 1109	°C	≤ -15	
Flexibility at low temperature after aging	EN 1109 / EN 1296	°C	-5	± 5
Flow resistance at elevated temperature	EN 1110	°C	NPD	
Flow resistance at elevated temperature after aging	EN 1110 / EN 1296	°C	100	± 10
Joint properties: peel resistance	EN 12316-1	N/50 mm	NPD	
Joint properties: shear resistance	EN 12317-1	N/50 mm	450	± 150
Watertightness	EN 1928	kPa/24 h	≥ 10	
Reaction to fire	EN 13501-1	Class	E	
Packing				
Dimensions of the roll	EN 1848-1	m	≥ 7 x 1	
Mass/roll		kg	± 46	
Rolls/pallet			25	

NPD = no performance determined

Installation

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

Certifications

- **Systems with this product as upper layer can meet classification Broof(t1) according to EN 13501 part 5. Contact Soprema for more information concerning fire classifications of roofing systems.**

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**.