

## COLPHENE FLAM 30

### Description

Membrane composed of elastomer modified bitumen and a non woven polyester reinforcement.  
The upper and lower surface are protected by a thermofusible film.  
Used as base layer within a vertical waterproofing system of walls for underground structures in a post-applied system (below grade works and basements).

### Characteristics

Composition			Value	
Reinforcement			non woven polyester	
Finish upper side			thermofusible film	
Finish lower side			thermofusible film	
Coating mass			elastomer modified bitumen	
Technical characteristics	Standard	Unit	Value	Tolerance
Thickness membrane	EN 1849-1	mm	3,0	± 5 %
Mass (indicative)	EN 1849-1	kg/m <sup>2</sup>	3,8	
Tensile force (L / T)	EN 12311-1	N/50 mm	750 / 550	± 20 %
Elongation at max. tensile force (L / T)	EN 12311-1	%	40 / 40	± 15
Dimensional stability	EN 1107-1	%	≤ 0,5	
Resistance to static loading	EN 12730-A EN 12730-B	kg	NPD ≥ 15	
Resistance to impact	EN 12691-A EN 12691-B	mm	≥ 600 NPD	
Resistance to tearing (nail shank) (L / T)	EN 12310-1	N	300 / 300	± 100
Flexibility at low temperature	EN 1109	°C	≤ -16	
Flow resistance at elevated temperature after aging	EN 1110 / EN 1296	°C	≥ 100	
Joint properties: peel resistance	EN 12316-1	N/50 mm	≥ 100	
Joint properties: shear resistance	EN 12317-1	N/50 mm	≥ 400	
Watertightness	EN 1928		pass	
Watertightness after ageing	EN 1928 / EN 1296		pass	
Reaction to fire	EN 13501-1	Class	E	
Packing				
Dimensions of the roll	EN 1848-1	m	≥ 10 x 1	
Mass/roll		kg	± 38	
Rolls/pallet			30	

NPD = no performance determined

### Installation

Fully applied by torch-welding including the overlaps.  
Hot bitumen must not be used in the bonding process.  
The longitudinal overlaps must be at least 60 mm and the transversal overlaps at least 100 mm.  
To prevent thick overlaps, the transversal overlaps should be staggered by at least 300 mm.  
All angle changes (inside and outside corners) and other details must be reinforced by heat-welding an additional 300 mm piece of membrane centered on the angle or detail.  
For more information, please contact Soprema.

## Special indications

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### 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**.

