

## FLAGON A

### Description

Membrane composed of flexible PVC.

Used as single layer waterproofing for covered structures. It's ideal for waterproofing systems of parkings for light vehicles. The membrane is distinguished by a good resistance against temporary contact with oils and hydrocarbons (always verify the compatibility\*), with a high resistance to puncture and a high mechanical resistance.

\* contact Soprema for more information

### Characteristics

Composition	Standard	Unit	Value	Tolerance
Material			flexible PVC	
Reinforcement			-	
Standard colour			black	
<b>Technical characteristics</b>				
Membrane thickness	EN 1849-2	mm	1,5	1,8
Mass	EN 1849-2	kg/m <sup>2</sup>	1,80	2,15
Tensile force (L / T)	EN 12311-2 / EN 527-3	N/mm <sup>2</sup>	≥ 17,5	2,0
Elongation at maximum tensile force (L / T)	EN 12311-2	%	≥ 300	± 5 %
Tear resistance	EN 12310-2	N	≥ 120	≥ 145
Tear resistance (nail shank)	EN 12310-1	N	≥ 375	≥ 450
Resistance to impact	EN 12691-A	mm	≥ 800	≥ 900
Foldability at low temperature	EN 495-5	°C	≤ -25	≥ 1250
Peel resistance joint	EN 12316-2	N/50 mm	≥ 200	
Shear resistance joint	EN 12317-2	N/50 mm	≥ 915 (*)	≥ 1100 (*)
Watertightness	EN 1928	kPa/24 h	≥ 60	≥ 1200 (*)
Dimensional stability	EN 1107-2	%	≤ 2,0	
Durability watertightness				
- after artificial ageing	EN 1296	kPa/24 h	≥ 60	
- after chemicals exposure	EN 1847	kPa/24 h	≥ 60	
Resistance to root penetration	EN 13948		conform	
Resistance to static loading	EN 12730-B	kg	≥ 20	
Reaction to fire	EN 11925-2 / EN 13501-1		E	
Resistance to static loading	EN ISO 12236	N	> 1800	> 2160
Water permeability	EN 14150	m <sup>3</sup> /(m <sup>2</sup> .d)	< 10 <sup>-6</sup>	> 2450
Durability:				
- oxidation, variation in tensile properties	EN 14575	%	≤ 25	
- environmental stress cracking resistance	ASTM D 5397	h	not applicable	
- weathering, variation in tensile prop. after 10500 h	EN 12224	%	≤ 25	
<b>Packing</b>				
Length of the roll	EN 1848-2	m	≥ 25	≥ 20
Width of the roll	EN 1848-2	m		≥ 2,10
Mass/roll		kg	± 95	± 90
Rolls/pallet			23	18

NPD = no performance determined

(\*) rupture outside joint

### Installation

Loose-laid waterproofing for structures containing liquids.

The overlaps are welded with hot air or hot wedge.

After installation the membrane needs to be protected against UV-rays.

The membrane is applied in conjunction with accessories from FLAG.

**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.

Contact: [www.soprema.com](http://www.soprema.com)

## 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**.

