

FLAGON CSL

Description

Membrane composed of flexible PVC.

Used as single layer waterproofing for hydraulic works like basins, tanks and canals. The membrane is suitable for salt, fresh and low chemical concentration water (always verify the compatibility*).

The upper side is UV-resistant and serves as a "signal layer". The dark gray lower side has a high resistance to puncture and is root resistant.

* contact Soprema for more information

Characteristics

Composition	Standard	Unit	Value				Tolerance
Material			flexible PVC				
Reinforcement			-				
Standard colour upper side			RAL 7047 / RAL 7012				
Standard colour lower side			dark gray				
Technical characteristics							
Membrane thickness	EN 1849-2	mm	1,2	1,5	1,8	2,0	± 5 %
Mass	EN 1849-2	kg/m²	1,56	1,95	2,34	2,60	
Tensile force (L / T)	EN 527-3	N/mm²	≥ 17,5				
Elongation at break (L / T)	EN 527-3	%	≥ 300				
Resistance to static loading	EN 12236	N	> 1450	> 1800	> 2160	> 2450	
Tear resistance	ISO 34	N	≥ 45				
Foldability at low temperature	EN 495-5	°C	≤ -30				
Resistance to root penetration	EN 13948		conform				
Gas permeability	ASTM D 1434	m³/(m².d)	not applicable				
Water permeability	EN 14150	m³/(m².d)	< 10 ⁻⁶				
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				
Watertightness	EN 1928	kPa/24 h	≥ 60				
Resistance to thermal aging in water:							
- variation in tensile force	EN 14415	%	< 25				
- mass loss		%	< 5				
Packing							
Length of the roll	EN 1848-2	m	≥ 20	≥ 20	≥ 20	≥ 20	
Width of the roll	EN 1848-2	m	≥ 2,10				
Mass/roll		kg	± 66	± 82	± 98	± 109	
Rolls/pallet			28	23	18	18	

NPD = no performance determined

Installation

The overlaps are welded with hot air or hot wedge.

The membrane is applied in conjunction with accessories from FLAG.

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**.

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