

FLAGON Geo P/AT

Description

Membrane composed of modified polyolefin (TPO) and a fiberglass reinforcement.

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

The upper side has a light green colour and is UV resistant. The black lower side has a high resistance to puncture and is root resistant.

* contact Soprema for more information

Characteristics

Composition	Standard	Unit	Value				Tolerance
Material			modified polyolefin (TPO)				
Reinforcement			fiberglass				
Standard colour upper side			light green				
Standard finish lower side			black				
Technical characteristics							
Membrane thickness	EN 1849-2	mm	1,2	1,5	1,8	2,0	± 5 %
Mass	EN 1849-2	kg/m²	1,26	1,58	1,89	2,10	
Tensile force (L / T)	EN 527-3	N/mm²	≥ 9				
Elongation at break (L / T)	EN 527-3	%	≥ 550				
Resistance to static loading	EN ISO 12236	N	> 750	> 1000	> 1200	> 1350	
Tear resistance	ISO 34	N/mm	≥ 45				
Foldability at low temperature	EN 495-5	°C	≤ -40				
Resistance to root penetration	CEN TS 14416		conform				
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	≥ 200				
- weathering, variation in tensile prop. after 10500 h	EN 12224	%	≤ 25				
Watertightness	EN 1928	KPa/6 h	≥ 500				
Resistance to thermal ageing in water:							
- variation in tensile force	EN 14415	%	< 25				
- mass loss		%	< 5				
Packing							
Length of the roll	EN 1848-2	m	≥ 25	≥ 20	≥ 20	≥ 20	
Width of the roll	EN 1848-2	m	≥ 2,10				
Mass/roll		kg	± 66	± 66	± 79	± 88	
Rolls/pallet			23	23	18	18	

NPD = no performance determined

Installation

Loose-laid waterproofing system.

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**.

