

FLAGON EP/PV

Description

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

Used as single layer waterproofing.

The membrane is distinguished by a very high resistance to weathering (UV-rays, ...), humidity, heat, micro organisms and with a high resistance to puncture.

Characteristics

Composition	Standard	Unit	Value				Tolerance
Material			modified polyolefin (TPO)				
Reinforcement			fiberglass				
Technical characteristics							
Membrane thickness	EN 1849-2	mm	1,2	1,5	1,8	2,0	± 5 %
Mass	EN 1849-2	kg/m²	1,15	1,40	1,68	1,85	
Tensile force (L / T)	EN 12311-2	N/mm²	≥ 9,0				
Elongation at maximum tensile force (L / T)	EN 12311-2	%	≥ 550				
Tear resistance (L / T)	EN 12310-2	N	≥ 130	≥ 165	≥ 195	≥ 220	
Tear resistance (nail shank) (L / T)	EN 12310-1	N	≥ 500				
Resistance to impact	EN 12691-A	mm	≥ 450	≥ 800	≥ 900	≥ 1250	
Foldability at low temperature	EN 495-5	°C	≤ -40				
Peel resistance joint	EN 12316-2	N/50 mm	≥ 200				
Shear resistance joint	EN 12317-2	N/50 mm	≥ 325 *	≥ 400 *	≥ 490 *	≥ 540 *	
Watertightness	EN 1928		pass				
Dimensional stability	EN 1107-2	%	≤ 0,1				
Durability: exposure to UV, heat and water	EN 1297		grade 0				
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				
Water vapour diffusion resistance coefficient (μ)	EN 1931		150000				± 30 %
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	± 60	± 59	± 71	± 78	
Rolls/pallet			23	23	18	18	

NPD = no performance determined

* rupture outside joint

Installation

Loose-laid in a system with heavy surface protection.

The overlaps need to be welded with hot air.

The membrane is applied in conjunction with accessories from Flag.

Certifications

- **ATG 2850 (B)**
 - **CTG 603 (NL)**
 - **BBA 00/3750 (1,2 - 1,5 mm) (UK)**
- See certificates for more information.

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**.

