

FLAGON A 1,5 mm, 1,8 mm et 2,0 mm

PVC-P MEMBRANE RESISTANT TO HYDROCARBONS

USE - APPLICATION

FLAGON A is a thermoplastic membrane made of PVC-P that contains special plasticised, specifically designed for the waterproofing of hydraulic structures covered in contact with fluids with traces of hydrocarbons or oils.

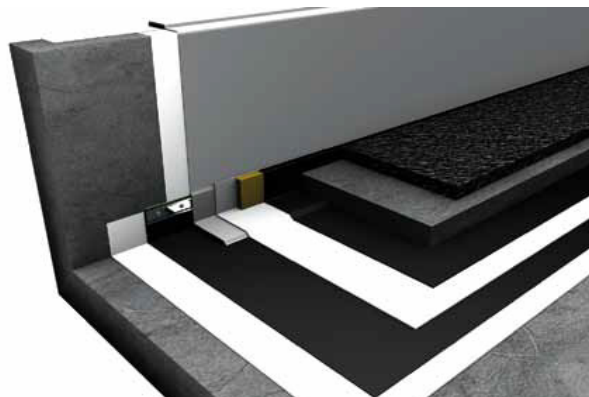
FLAGON A can also be used under trafficable rigid ballast.

To verify the compatibility with the specific chemical liquids, please contact the technical office CIVILROCK (tech-office@flag.it).

In case of trafficable pavement, this membrane is ideal for the realization of waterproofing systems of parking for light vehicles.

FLAGON A allows a fast installation immediately after the casting of the support structure. FLAGON A is suitable for structural movement.

FLAGON A is compatible with all accessories and membranes in the FLAGON PVC range.



DESCRIPTION

FLAGON A membrane is a synthetic multi-ply membrane in PVC-P made by co-extrusion using plasticised polymers with high resistance to the aggression of the hydrocarbons.

FLAGON A is black in colour.

FLAGON A is not UV resistant, so you need protection for exposed.

It's also available FLAGON A/300 and FLAGON A/500, having a non-woven geotextile respectively 300 gr/m² and 500 gr/m² coupled on the lower face of the membrane.

CIVILROCK attaches the highest importance to the quality of its products. This is why we operate a quality assurance system according to ISO 9001 BSI certified.

MAIN ADVANTAGES

- Good resistance against the temporary contact with oils and hydrocarbon
- Allows a fast installation after the casting of concrete of the support
- High elongation at break
- High mechanical resistance

SUGGESTED INSTALLATION EQUIPMENT

- Manual welding with hot air
- Automatic welding machine with hot air
- Automatic welding machine with double track

CIVILROCK reserves the right, as technology and know-how progress, to modify without warning the composition and conditions of use of its materials, and subsequently their price. As a result, orders shall only be accepted on the basis of the terms and technical specifications applicable at the time of receipt.



FLAG S.p.A. – SOPREMA GROUP

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CHARACTERISTICS

ESSENTIAL CHARACTERISTIC	Standard	A 1,5 mm	A 1,8 mm	A 2,0 mm	
Tensile strength (N/mm ²)	EN 12311-2		≥ 17,5		EN 13967
Elongation at break (%)	EN 12311-2		≥ 300		
Resistance to impact (mm)	EN 12691	≥ 800	≥ 900	≥ 1 250	
Resistance to static loading (kg)	EN 12730		≥ 20		
Reaction to fire	EN 13501-1		E		
Tear resistance (N)	EN 12310-1	≥ 375	≥ 450	≥ 500	
Water permeability after 6 h at 0,5 Mpa	EN 1928 (B)		Watertight		
Joint strength (N/50mm)	EN 12317-2	> 915	> 1 100	> 1 200	
Durability: After thermal ageing After immersion in chemicals	EN 1296 EN 1847		Watertight at 2kPa and 60 kPa Watertight at 2kPa and 60 kPa		
Tensile strength (N/mm ²)	EN ISO 527-3		≥ 17,5		
Static puncture resistance (kN)	EN ISO 12236	> 1,80	> 2,16	> 2,45	
Water permeability	EN 14150		< 10 ⁻⁴ m ³ m ⁻² d ⁻¹		
Durability: - Oxidation, variation in tensile properties (%) - Environmental stress cracking - Weathering, variation in tensile properties after 10500 h (%)	EN 14575 ASTM D 5397 EN 12224		≤ 25 not applicable ≤ 25		

ADDITIONAL CHARACTERISTIC	Standard	A 1,5 mm	A 1,8 mm	A 2,0 mm
Thickness (mm)	EN 1849-2	1.5 (±5%)	1.8 (±5%)	2.0 (±5%)
Mass per unit area (kg/m ²)	EN 1849-2	1.80	2.15	2.40
Cold bending (°C)	EN 495-5		≤ -25	
Resistance to perforation by roots	EN 13948		No perforation	
Dimensional stability (6h a 80°C) (%)	EN 1107-2		≤ ±2,0	
Durability Exposure to UV radiation, elevated temperature and water	EN 1297		No UV resistant	

PRODUCTION STANDARD

	1.5 mm	1.8 mm	2.0 mm
Thickness	1.5 mm	1.8 mm	2.0 mm
Number of rolls on each pallet	23	18	18
Roll length / width	25 ml x 2.10 ml	20 ml x 2.10 ml (other lengths available on request)	
Colour	Black		

CE MARKING

Unique identification code of the product-type: WPSIT0006.

FLAGON A membranes are produced by the FLAG Spa factory (SOPREMA group) in Chignolo d'Isola (Italy) and are CE marked no. 1085-CPR-0010 in accordance with EN 13956 :2012 and no.1085-CPR-0036 in accordance with EN 13967:2012 and no. 1085-CPR-0007 in accordance with EN 13361:2013 and EN 13362:2013.

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