

FLAGON AT 1.2, 1.5 and 2.0 mm

PVC-P MEMBRANE FOR DRINKING WATER TANKS

USE - APPLICATION

FLAGON AT is a thermoplastic membrane made of PVC-P specifically designed to waterproof tanks and containers used for drinking water.

This membrane can contain fresh or salt water and low-concentration liquid chemicals. To verify the compatibility with the specific chemical liquids, please contact the technical office CIVILROCK (tech-office@flag.it).

The sheets are welded together by applying hot air or using hot wedge, with manual or automatic welder. The welding can be made either with a track that with double track. The double track allow to perform a pneumatic test with air.

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

DESCRIPTION

FLAGON AT membrane is a synthetic membrane made by co-extrusion from plasticised PVC, white in colour (dark grey available on request). The version with special dark grey colour of FLAGON AT can be used for basins containing fish; the colour and the reflectivity low level can avoid the decolouration of fish.

The raw materials used in the production of FLAGON AT allow to obtain a product that may come into contact with drinking water according to the main tests of national certification under which was tested.

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

- Compatible with drinking water
- High resistance to weathering and UV rays
- High mechanical resistance
- High puncture 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

Via Industriale dell'Isola, 3 – 24040 – Chignolo d'Isola (BG) - Italia

Tel. : +39 035 095.10.11 - Fax : +39 035 494.06.49

www.flag-on.com

e-mail: tech-office@flag.it

www.soprema.it

FLAGON AT 1.2, 1.5 and 2.0 mm

PVC-P MEMBRANE FOR DRINKING WATER TANKS

CHARACTERISTICS

ESSENTIAL CHARACTERISTIC	Standard	AT 1.2	AT 1.5	AT 2.0	EN 13361 and EN 13362
Tensile strength (N/mm ²)	EN 527-3		> 17 (L/T)		
Water permeability	EN 14150		< 10 ⁻⁶ m ³ m ² d ⁻¹		
Static puncture resistance (N)	EN 12236	> 1450	> 1800	> 2450	
Durability: Oxidation, variation in tensile properties (%) Weathering, variation in tensile properties (%)	EN 14575 EN 12224		≤ 25 ≤ 25		

ADDITIONAL CHARACTERISTIC	Standard	AT 1.2	AT 1.5	AT 2.0
Thickness (mm)	EN 1849-2	1.2 (±5%)	1.5 (±5%)	2.0 (±5%)
Mass per unit area (kg/m ²)	EN 1849-2	1.54	1.92	2.56
Elongation at break (%)	EN 527-3		≥ 300 (L/T)	
Cold bending (°C)	EN 495-5		≤ -30	
Water permeability after 6 hrs at 0.5Mpa	EN 1928 (B)		Watertight	
Resistance to perforation by roots	CEN TS 14416		No perforation	
Tear resistance (N/mm) (N/mm)	EN 12310-2 ISO 34 sample fig.2		≥ 80 ≥ 45	
Resistance to thermal ageing in water: variation in tensile strength (%) mass loss (%)	EN 14415 (A and B)		< 25 < 5	

PRODUCTION STANDARD

Thicknesses	1.2mm	1.5mm	2.0mm
Number of rolls on each pallet	28	23	18
Roll length / width	20ml (other lengths available on request) / 2.10ml		
Available colours	White (dark grey on request)		

CE MARKING

Unique identification code of the product-type: WPSIT0009

FLAGON AT membranes are produced by the FLAG Spa factory (SOPREMA group) in Chignolo d'Isola (Italy) and are CE marked no.1085-CPR-007 in accordance with EN 13361:2013 and EN 13362:2013.

CERTIFICATION

FLAGON AT has obtained the following certifications:

France:

- Mentioned in CPP (Technical specifications): Basins, Tanks, Canals, Water towers and similar structures, by DEKRA.
- ACS (Sanitary conformity certificate) issued by the CARSO – L.S.E.H.L.

Italy:

- ACS (Sanitary conformity certificate) in accordance with USSL 75/III

Spain:

- ACS (Sanitary conformity certificate) in accordance with LGAI

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

Via Industriale dell'Isola, 3 – 24040 – Chignolo d'Isola (BG) - Italia

Tel. : +39 035 095.10.11 - Fax : +39 035 494.06.49

www.flag-on.com

e-mail: tech-office@flag.it

www.soprema.it