

FLAGON AT



WATERPROOFING

APPLICATIONS

WATER TANKS

HYDRAULIC WORKS

BLUE ROOFS

TECHNICAL DATA SHEET

ANZ-TDS-26-FLAGON AT

DESCRIPTION

FLAGON AT is a thermoplastic non-reinforced waterproofing membrane made of PVC-P specifically designed to waterproof blue roofs, tanks and containers used for drinking water.

FLAGON AT is suitable for fresh and salty water tanks or low-concentration liquid chemicals.

FLAGON AT membrane is white in colour, dark grey coloured membrane is available upon request.

FLAGON AT with special dark grey colour can be used for basins containing fish; the colour and the reflectivity low level can avoid the decolouration of fish.

Compatible with drinking water

Resistance to aqueous sodium solutions

High mechanical resistance

High resistance to weathering and UV rays

Flexibility to low temperatures

FIELD OF APPLICATION

Designed for single-ply application on horizontal and vertical surface, FLAGON AT is applied on a separation layer and mechanically fixed to the substrate.

FLAGON AT is mainly used for waterproofing blue roofs, water tanks and other hydraulics works which require compatibility with drinking water.

APPLICATION METHOD

FLAGON AT membranes 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.

The use of GEOLAND PP FR as a separation layer is required before the installation of FLAGON AT membrane.

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

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

PACKAGING

SPECIFICATIONS	FLAGON AT	
Thickness	1.5 mm	2.0 mm
Roll dimensions	20 m x 2.10 m	
Roll weight	80 kg	108 kg
Rolls per pallet	23	18
Colour	White	



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PROPERTIES

PROPERTIES	STANDARDS	FLAGON AT	
		1.5 mm	2 mm
Mass per unit area (kg/m ²)	EN 1849-2	1.92	2.56
Tensile strength (N/mm ²)	EN 527-3	> 17 (L/T)	
Breaking strength (%)	EN 527-3	≥ 300 (L/T)	
Cold bending (°C)	EN 495-5	≤ -30	
Water permeability after 6 hrs at 0.5Mpa	EN 1928 (B) EN 14150	Watertight < 10-6m3m-2d-1	
Resistance to perforation by roots	CEN TS 14416	No perforation	
Tear resistance (N/mm)	EN 12310-2 ISO 34 sample fig.2	≥ 80 ≥ 45	
Static puncture resistance (N)	EN 12236	> 1800	> 2450
Durability:			
Oxidation, variation in tensile properties (%)	EN 14575 EN 12224	≤ 25 ≤ 25	
Weathering, variation in tensile properties (%)			
Resistance to thermal ageing in water: variation in tensile strength (%) mass loss (%)	EN 14415 (A and B)	< 25 < 5	

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative or the contractor is responsible for checking the suitability of products for their intended use.



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