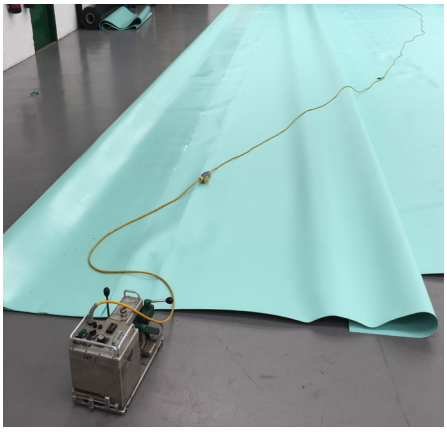
Specialist Geomembranes

Technical Data Sheet

Polypropylene

Suitable for waterproofing tanks & approved for drinking water applications



- A synthetic thermoplastic membrane stabilised with a sheet of glass fibre.
- Ideal for use with salt or fresh water applications.
- Can be used with low concentrations of liquid chemicals.
- Dual colour sheet: Light green (upper) treated against UV rays and Black (underside) highly resistant to puncture or perforation by roots and other debris.
- Available in a variety of thicknesses to suit the application.
- CE marked in accordance with EN 13361:2004 and EN 13362:2005
- The material carries the appropriate regulation 31 (4)(a) approval for drinking water reservoir baffle curtains.
- Non toxic to aquatic life.
- Excellent resistance to UV rays, puncture or perforation.

The information herein is based upon data obtained by the manufacturer and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data. This information is furnished upon the condition that the person receiving it shall evaluate its suitability for the specific application.

Material Properties	Unit	Test Method	DWI 1.2	DWI 1.5	DWI 1.8	DWI 2.0
Thickness	mm	EN 1849-2	1.2 ±5%	1.5 ±5%	1.8 ±5%	2.0 ±5%
Mass per unit area	Kg/m²	EN 1849-2	1.26	1.58	1.89	2.10
Tensile strength	N/mm²	EN 527-3	>9			
Breaking strength	%	EN 527-3	≥550			
Cold bending	°C	EN 495-5	≤-40			
Water permeability after 6 hrs at 0.5Mpa	-	EN 1928 (B) EN 14150	Watertight < $10^{-4}m^3m^2d^{-1}$			
Resistance to perforation by roots		CEN TS 14416	No perforation			
Tear resistance	N/mm	ISO 34 (sample)	≥45			
Static puncture resistance	N	EN 12236	≥750	≥1000	≥1200	≥1350
Durability						
Oxidation, variation in tensile properties	%	EN 14575	≤25			
Weathering, variation in tensile properties	%	EN 12224	≤25			
Resistance to Leaching						
Variation in tensile strength	%	EN 14415 (A & B)	<25			
Mass loss	%		<5			
Production Standard						
Number of rolls per pallet	-	-	23	23	18	18
Roll length / Width	m	-	25 x 2.1	20 x 2.1		
Colours available	Light green (surface) / Black (underside)					

Sheets can be welded together using hot air / hot wedge methods. Tears or damage to the light green upper side can easily be seen due to the black underside. The manufacturing process for this material means it can offer high resistance to ageing and weathering, maintaining its flexibility along with high mechanical and chemical resistance properties.

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