

# Pond Liner & Natural Pool

## Description

Flexible waterproofing membrane made by Poly (vinyl chloride) with polyester reinforcement. Designed for private natural pools and ponds, compatible with fish and plants. NO BACTERICIDES OR FUNGICIDES. Plasticized Poly (vinyl chloride) membrane (PVC-P) for inground pool and ponds – Part 2: Reinforced membranes of nominal thickness greater or equal to 1.5mm.

## Features

- Resistant to wind stress
- Waterproof and UV resistance
- High mechanical resistance
- Resistant to puncturing
- Compatible with fish and plants.

## Areas of use

Natural pools and ponds.  
 Suitable for outdoor natural swimming pool according to European standard EN15836-2  
 Ponds with fish and plants

## Characteristic of the membrane

Characteristic	Test method	Value
Mass per unit area	EN 1849-2	1800 + 100 g/m <sup>2</sup>
Water absorption	EN ISO 62:08	< 1% OF MASS
CaCO <sub>3</sub> content	ATOMIC ABSORTION	≤ 3% OF MASS

## Dimensional Characteristics

Characteristic	Test method	Value
Mean thickness (mm)	EN 1849-2	1.5 (-5, +10%)
Thickness in the net cross (mm)	EN 1849-2	> 0.3
Width (mm)	EN 1849-2	2.05 + 5 MM
Flatness (mm)	EN 1849-2	< 10
Linearity (mm)	EN 1849-2	< 30

## Mechanical characteristics

Characteristic	Test method	Value
Tensile strenght (N/50 mm)	EN 12311-2 A	L, T ≥ 1100
Elongation at break (%)	EN 12311-2 A	L, T ≥ 15
Joint strenght, peel resistance (N/50mm)	EN 12310-2	L, T ≥ 80
Tear resistance (N)	EN 1107-2	L, T ≥ 180
Dimensional stability (%)	EN 1107-2	L, T ≤ 0.5
Resistance to foldability al low temperature (-25°C)	EN 495-5	WITHOUT CRACKS
Peel resistance of joints (N/50 mm)	EN 12316-2	≥ 80

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## Characteristics for durability

Characteristic	Test method	Value
Resistance to the artificial ageing of 19 GJ/m <sup>2</sup> (3000 h)	EN ISO 4892-2:2006 MET. A CYCLE N° 1	> 3. ACCORDING TO EN 20105-A02
Chlorine resistance	EN 15836 ANNEX C	RATING > 3
Resistance to staining agents	EN 15836 ANNEX D	RATING ≥ 2

## Production Standard

Product	Width (m)	Thickness (mm)	Roll Length (m)	Pallet (rolls)	Pallet m <sup>2</sup>
Grey-Black	2.05	1.5	25.2	10	516.60
Green-Black	2.05	1.5	25.2	10	516.60