

SOPRAGUARD LIFE

EPDM GEOMEMBRANE FOR HYDRAULIC WORKS

USE

The SOPRAGUARD LIFE is a vulcanized synthetic EPDM rubber geomembrane with an embossed finish, designed for waterproofing residential decorative ponds, natural swimming pools, streams, aquaculture, public fountains and other hydraulic construction applications. Its adaptability to organic shapes allows it to cover the most original designs.

The prefabrication of EPDM modules often allows to cover the full surface with a single piece, reducing the number of on-site joints and the need for accessories. The cold installation system, besides being environmentally friendly, can be carried out without investment in equipment or welders and without dependence on energy sources.

The composition of SOPRAGUARD LIFE is safe for fish, plants, and algae, as it does not release substances into the aquatic environment.



APPLICATION

- The installation of SOPRAGUARD LIFE geomembranes must be carried out by experienced personnel.
- SOPRAGUARD LIFE geomembranes are placed on a dry, clean, and free from sharp objects substrate or on a compacted ground covered with a mechanical protection geotextile.
- The membrane should rest for approximately 30 minutes before performing the joints and securing it permanently.
- For the joint between membranes, ensure that the minimum overlap of 10 cm is clean and dry. Make a mark 1.5 cm outside the edge of the overlap.
- Apply Sopraguard Primer on both sides of the membrane and wait for the tacking point; check by pressing with your fingertip to ensure no strings form when lifting it.
- Apply the Sopraguard Tape self-adhesive strip following the marks. Press firmly with the system hand roller. Close the overlap, ensuring that the Sopraguard Tape strip extends between 5 and 15 mm beyond the overlap. Remove the protective film and roll over the entire joint again with the pressure roller.
- When necessary, SOPRAGUARD LIFE geomembrane can be covered with a mechanical geocomposite protection as GEOLAND TTX.

DESCRIPTION

- SOPRAGUARD LIFE is a vulcanized EPDM rubber geomembrane with an embossed finish.
- It is black color with no additional talc on its surface.
- It is elastic and flexible from -45 to +130°C, resistant to ozone and UV radiation.
- The wide panels are assembled in the factory by double track hot welding
- SOPREMA prides itself in working with the highest quality products. We operate with quality and environmental assurance systems and are certified ISO 9001 and ISO 14001.

SOPREMA reserves the right to modify the stated data without prior notice and disclaims any liability in case of anomalies caused by improper use of the product.

The values reflected in the technical data sheet correspond to the average values of the tests conducted in our laboratory.

SOPREMA IBERIA SLU c/ Ferro 7, Pol. Ind. Can Pelegrí 08755 Castellbisbal – Barcelona (+34) 93 635 14 00.

- ✔ Anti-root resistance
 ✔ High elasticity and flexibility
 ✔ Cold installation

CHARACTERISTICS

ESSENTIAL CHARACTERISTICS	Standard	0.8	1.0	1.1	1.2	1.5	2.0	EN 13361 :2004+A1 :2006 EN 13362:2005
Tensile strength (N/mm ²)	EN ISO 527/3	≥ 8 (L/T)			≥ 9 (L/T)			
Resistance to static puncture (kN)	EN 12236	≥ 0.46	≥ 0.53	≥ 0.53	≥ 0.53	≥ 0.7	≥ 1.25	
Water permeability (m ³ m ⁻² d ⁻¹)	EN 14150	< 10 ⁻⁵	< 10 ⁻⁶					
Durability: - Weathering 350 h (var % of tensile properties)	EN 12224	≤25	≤25	≤25	≤25	≤25	≤25	
- Oxidation 90 days at 85°C (variation % of tensile properties)	EN 14575	≤25	≤25	≤25	≤25	≤25	≤25	
Dangerous substances		Complies						

OTHER CHARACTERISTICS	Standard	0.8	1.0	1.1	1.2	1.5	2.0
Mass per unit area (-5%/+10%) (kg/m ²)	EN 1849-2	0.855	1.08	1.17	1.26	1.62	2.16
Static puncture Displacement (mm)	EN 12236	≥ 120	≥ 120	≥ 120	≥ 120	≥ 120	≥ 120
Elongation (%)	EN ISO 527/3	≥ 400 (L/T)					
Dimensional stability (%)	EN 1107-2	≤ 0.5					

PACKAGING

Dimensions	Width	3 / 4.5 / 7.5 / 9 / 12 or 15 m
	Length	30 m
Storage	Keep protected against mechanical aggressions. Store away from sources of ignition and flames.	

MARKING

Unique identification code of the product-type: WPSES0021.
 SOPRAGUARD GEO membranes are produced in SOPREMA factory in Subirats (Spain) and are CE marked 2286-CPR-124/22 in accordance with EN 13361 and EN 13362.

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