SOPREMAPOOL DESIGN

Technical Data Sheet N° WPSIT0522.a

DESCRIPTION

SOPREMAPOOL DESIGN is a PVC-P synthetic membrane for swimming pool reinforced with polyester scrim, nominal thickness 1,5 mm and with decorative finishing and double varnish (in the mass and on the surface) for maximum protection. Manufactured by cast process according to European standard EN 15836-2 (2010).

APPLICATIONS

- For new or renovation of existing swimming pools;
- On any kind of support concrete, cement, steel prefab panels;
- On incompatible support (resins, polystyrene panels etc.), provide the positioning of a special Soprema separation geotextile;
- The pool water temperature must never exceed 32°C.

For further information about applications contact Soprema technical office: sopremapool@soprema.com

SETTING

The welding of SOPREMAPOOL DESIGN must be performed with hot air Leister gun. For a correct welding, the edge of the liner must be clean and dry. For the complete instructions of the setting methods and details ask to Soprema technical office: sopremapool@soprema.com

CLEANING

Do not use aggressive products to clean SOPREMAPOOL DESIGN, they may damage the liner and remove decorative finishing. It is advisable to use a soapy water solution and avoid using abrasive products. Proper water treatment must be guaranteed for the entire service life of Sopremapool membrane. For more and complete information about cleaning ask to Soprema technical office: sopremapool@soprema.com

STORAGE

The SOPREMAPOOL DESIGN is delivered in rolls, laid on wood pallets, protected, separated and externally wrapped with polyethylene sheets. Rolls should be stored horizontally in their original packages, in a dry and temperate area (10-30°C). The rolls must be protected by humidity and atmospheric agents (sun, rain etc.)

COLORS

Marbella Blue, Marbella Black, Marbella Grey, Mosaic Blue, Bali, Bali Sand, Bali XL, Pearl Black, Sky Blue, Wood. For complete and updated variants see the SOPREMAPOOL brochure.

SPECIFICATIONS		SOPREMAPOOL DESIGN	TEST METHOD
Thickness	(mm)	1,50	UNI EN 1849-2
Width	(m)	1,65	UNI EN 1848-2
Length		≥ nominal value	UNI EN 1848-2
Flatness	(mm)	≤ 10	UNI EN 1848-2
Straightness	(mm)	≤ 30	UNI EN 1848-2
Air mass	(kg/m^2)	1,80	UNI EN 1849-2
Water absorption (168 hours at 23 ± 2°C)	(%)	≤ 1,0	EN ISO 62 met. 1
$CaCO_3$ content	(%)	≤ 3,0	EN 15836-2 annex A
Resistance to traction	(N/5cm)	≥ 1100	UNI EN 12311-2 met. A
Mesh elongation to rupture	(%)	≥ 15 and ≤ 30	UNI EN 12311-2 met. A
Tear resistance	(N)	≥ 180	UNI EN 12310-2
Dimension stability	(%)	≤ 0,5	UNI EN 1107-2
Cold bending	(°C)	≤ -25	UNI EN 495-5
Resistance to welding peeling	(N/5cm)	≥ 80	UNI EN 12316-2
Resistance to artificial aging: - exposure of 648 MJ/ m^2 to UV between 300 and 400 nm - contrast level according to greys scale		≥ 3000 hours ≥ degree 3	EN ISO 4892-2 met. A – cycle n°1 EN 20105 – A02
Resistance to micro-organisms: - loss of mass	(%)	≤ 1,0	EN ISO 846 met. D
Resistance to streptoverticilium reticulum bacteria		Absence of stains	EN ISO 846 met. C Bacterial strain: ATCC 25607
Resistance to chlorine: - colour changing according to greys scale		≥ degree 3	EN 15836-2 annex C
Resistance to staining agents: - color change according to the gray scale		≥ degree 4	EN 15836-2 annex D
Resistance to staining agents after abrasion: - color change according to the grey scale		≥ degree 4	EN 15836-par. 6.3.1 EN 15836-2 annex D

PRODUCTION STANDARD

Width	1,65 m
Length	25 m

Manufactured in UNI EN ISO 9001 and UNI EN ISO 14001 certified plant

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