

POLYMERIC MEMBRANENE LOGICPOOL (SWIMMING POOLS)

EN 15836-2



Fire-free technology of laying

Protective acrylic layer

No additional waterproofing compound

Easy to repair

Environment friendly and subject to recycling

Description of material

Decorative and waterproofing covering for swimming pools. The best alternative to traditional finishes such as tiles or paint. LOGICPOOL consisting of two flexible layers of high-quality polyvinylchloride interleaved with a reinforcing polyester mesh. LOGICPOOL has a protective layer of acrylic lacquer providing high abrasion resistance against mechanical loading, preventing from staining and deterioration due to microorganisms influence (biodegradation), as well as from UV rays. The LOGICPOOL membrane is atmosphere factors & UV rays resistant. It's also resistant to usual operational additives for water conditioning systems, dosed according to special regulations for swimming pools.

Appearance

LOGICPOOL V-RP is a smooth covering with different colours: blue, sky blue, caribbean blue, mosaic blue.

LOGICPOOL V-RPE is a covering with rippled surface for sliding resistance on dangerous surfaces of a pool. The colour corresponds to LOGICPOOL V-RP.

Scope of Application

Effective waterproofing and decorative covering for pools.

The PVC LOGICPOOL covering is laid in one layer and welded by hot air using automatic and/or manual device at the temperature from 380 °C to 450 °C until it forms a homogeneous (smooth) covering.

Temperature restrictions:

Laying of LOGICPOOL covering is recommended at temperatures not below than +15°C.

Storage

The LOGICPOOL rolls are to be stored in horizontal position on pallets paralleled one another, at a dry place, at temperature not above +30°C, away from sources of heat and moisture. The material is stored in an original packaging. Protected from mechanical damage.

Main physical-mechanical properties

Characteristics	Test method	LOGICPOOL V-RP
Thickness, mm	EN 1849-2	1.5 (-5, +10%)
Width, mm	EN 1848-2	NOM ±1%
Flatness	EN 1848-2	≤ 10
Straightness, mm	EN 1848-2	≤ 50
Ultimate Strength, N/50 mm	EN 12311-2	LT ≥ 1100
Tensile Strength, %	EN 12311-2	L,T ≥ 15
Durability, N	EN 12310-2	L,T ≥ 180
Interlayer Adhesion, N/50 mm	DIN 53357	L,T ≥ 65
Foldability at low temperature, -25°C	EN 495-5	No crack
UV-impact, 6.000 hrs	EN ISO 4892-2	≥ 3
Strength of Joints:		
Peel Resistance, N/50 mm	EN 12316-2	≥ 200
Sheering resistance, N/50 mm	EN 12317-2	≥ 500
General migration indicator, mg/dm ²	ENV 1186	≤ 10
Resistance to Root Penetration	prEN 13948	Resistant