

ARMONIA 3D

Description

Membrane composed of flexible PVC and a polyester reinforcement.

Is used as a single-layer swimming pool covering.

The membrane is characterized by a very high resistance to weather influences (UV rays, moisture, heat, ...), micro organisms, the standard water treatment products and has a high resistance to puncture.

In addition, it is specially designed to meet the requirements prescribed in the EN 15836-2 standard.

Composition

Material	flexible PVC
Reinforcement	polyester

Packing

	ARMONIA 3D- MOSAIC 150	ARMONIA 3D- SPIRIT CERAM 150	ARMONIA 3D- SENSITIVE 180
Membrane thickness (mm)	1,5	1,5	1,8
Length of the roll (m)	25	25	25
Width of the roll (m)	1,65	1,65	1,65
Mass of the roll (kg)	74	74	87
Rolls/pallet	18	18	12

Characteristics

		ARMONIA 3D- MOSAIC 150	ARMONIA 3D- SPIRIT CERAM 150	ARMONIA 3D- SENSITIVE 180
Tensile force (N/50 mm) (EN 12311-2 met A)	MLV	1100		
Elongation at maximum tensile force (%) (EN 12311-2 met A)	MLV	15-30		
Resistance to tear (nail chank) (N) (EN 12310-2)	MLV	180		
Dimensional stability (%) (EN 1107-2)	MLV	0,5		
Foldability at low temperature (°C) (EN 495-5)	MLV	-25		
Joint properties: peel resistance (N/50 mm) (EN 12316-2)	MLV	80		
Watertightness (EN 1928 met B)		conform		
Water absorption (168 h; 23 ±2 °C) (EN ISO 62 met 1)	MLV	1		
CaCO ₃ content (%) (EN 15836-2)	MLV	3		
Artificial ageing (EN 4892-2 met A / EN 20105) - durability UV (hours) - contrast level (greys scale)	MLV	3000 degree 3		
Resistance to micro organisms (%) (EN ISO 846 met D)	MLV	5	1	
Resistance to streptovorticium reticulum (EN ISO 846 met C / strain ATCC 25607)		absence of stains		
Resistance to chlorine (EN 15836-2) (greys scale)		degree 3		
Resistance to staining agents (EN 15836-2) (greys scale)		degree 2	degree 4	
Resistance to staining agents after abrasion (EN 15836-2) (greys scale)		-	degree 4	

MDV = manufacturer declared value / MLV = manufacturer limiting value / NPD = no performance determined

Note: **ARMONIA 3D-SENSITIVE 180** has an increased slip resistance.

Installation

Loose-laid waterproofing system.

The overlaps are welded with hot air.

The membrane is applied in conjunction with accessories from ARMONIA 3D.

Special indications

Hygiene, Health and Environment

The product does not contain any substance which is likely to be detrimental to your health or to the environment and complies with generally admitted Health and Safety Requirements.
For more information, please refer to the relevant safety data sheet.

Quality-, Environment- and Safety Management

SOPREMA always recognises as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality and Environment Assurance Systems in line with **EN ISO 9001** and **EN ISO 14001**.

