

Application Water retaining membrane for swimming pools.

Product Description

Membrane consisting of two layers of calendered flexible polyvinyl chloride (PVC-P) strengthened with polyester mesh reinforcement.

A. The face layer is a PVC sheet with the following component parts:

- a low-volatility plasticiser.
- a high performance stabiliser effective against high temperatures.
- high level UV stabiliser and colour pigments providing excellent light and temperature stability.

B. The reverse layer is a PVC sheet designed to encompass the most recent technology, specifically to protect against its environment with the following components:

- the same low-volatility plasticiser as the face sheet.
- a high performance stabiliser.
- most importantly a powerful fungicide to prevent degradation from micro-organisms.

C. Alkorplan 2000® membranes are protected on the face layer by a unique lacquer.

- The lacquer has a high level of UV absorbents, providing excellent protection against degradation from sunlight, bad weather, etc.
- The lacquer also creates a barrier against plasticiser loss through dissolubility in the pool water and attack from micro-organisms.
- The barrier properties of the lacquer also provide resistance to staining from suntan oils, calcium deposits, organic materials and micro-organisms.

Alkorplan 2000® membranes, Type 35216 and Type 35217, are produced to conform to the technical specifications laid down in the standard NF 5 54-803-2.

Properties Sensitive to solvents: chlorinated solvents (trichloroethylene, perchloroethylene), tetrahydrofurane (THF), ketones (e.g. acetone, nail varnish remover), ethyl acetate, etc. (this list is open-ended) and abrasive products can destroy the varnish and primer.

- Resistant to normal water purification products and methods.
- Incompatible with bitumens, tars, oils, and polystyrene and polyurethane panels not protected by an anticontaminant film
- Sensitive to high concentration acids and bases
- Cadmium-free.

Use The membrane must be fitted to the pool structure according to the requirements of the Alkor Draka installation instructions. Joins in the sheets must be welded with hot air equipment and under no circumstances should solvent (THF) be used to weld seams, as solvent may destroy the lacquer and the printed designs.

Care & Maintenance The performance of Alkorplan 2000® membranes largely depends on the conditions of use, care and maintenance:

temperature, PH, disinfection method, friction, cleaning products, etc. To achieve the best possible results, please follow our care and maintenance instructions and those given by the manufacturers of water purification products.

Clean only by means of a mixture of ethanol/water (1/1) or soapy water.

Care must be taken to avoid using certain cleaning products containing solvents or abrasive components which can destroy the lacquer and primer. Before any cleaning procedure, we recommend that a test be carried out on a sample.

Colours & Decorative Finishes

Tipo 35216		
	(1,65m Width)	(2,05m Width)
Light Blue	35216 205	35216 008
Adriatique Blue	35216 203	35216 007
Green	35216 204	35216 006
White	35216 202	35216 001
Sand	35216 210	35216 011
Grey	35216 217	35216 018
Black	35216 219	---

Tipo 35217	
	(1,65m Width)
Mosaic	35217 202
Byzance	35217 209
Byzance Grey	35217 212
Carrara	35217 214
Marble	35217 213
Persia Blue	35217 217
Persia Sand	35217 220
Florentine (Tile Band)	35217 103

Packaging

In rolls on cardboard tubes.

Type	Thickness (mm)	Width (m)	Length of rolls (m)	Weight/m2 (kg)	Weight per roll (kg)
35216	1,5	1,65	25	±1,8	±75
35216	1,5	2,05	25	±1,8	±95
35217	1,5	1,65	25	±1,8	±75

Storage & Transport

In a dry place, at a moderate temperature (max. 30 °C) and in the original packaging.

Physical Characteristics

Types 35216- 35217	Standards	Units	Nominal values
Thickness	DIN 53353	mm	1,5
Density	DIN 53479	g/cm3	1,2
Rupture strength	NFT 54102 DIN 53354	N/50 mm	1250
Elongation at break	NFT 54102 DIN 53354	%	18
Tear strength	NFT 54108 DIN 53363	N	280
Hardness	NFT 54109 DIN 53505	Shore A (10s)	77
Cold crack temperature	DIN 53361	°C	-25
Dimensional stability 6h/80°C	NFT 54105 DIN 53377	%	-0.2
Ply adhesion	DIN 53357	N/50 mm	160
Light stability*	DIN 53389 grey scale	blue scale 4	7

* after 5.000 h XENOTEST (Cycle 17/3'-45 +/- 5°C)