

Properties of Alkorplan 2000®

The **Alkorplan 2000®** membrane has many positive properties:

- It can be welded
- It does not rot
- It is resistant to wear, atmospheric conditions, UV rays and common water purification products.
- The application of fungicides and bactericides during its manufacture means that it can effectively counter the development of bacteria and algae.
- It is incompatible with tars, asphalts and oils.
- It is compatible with polystyrene, polypropylene, rigid PVC and polyethylene panels provided they are protected with an anti-contaminant film.
- It is sensitive to acids and highly concentrated bases.
- It is incompatible with organic solvents.
- It is cadmium-free.

Thanks to its unique protective lacquer layer, the **Alkorplan 2000®** membrane has the following characteristics:

- Greater colour stability and protection against UV rays.
- Permanent flexibility over time.
- Greater resistance to micro-organisms, dyes, greases, etc., which are present in the pool water.

- A very good resistance to clogging, particularly at water line level, a very sensitive area in a pool.

Where to use the Alkorplan 2000® membrane

The simplicity of installing the Alkorplan membrane has strongly appealed to swimming pool installers by making it possible, with a few rolls held in stock, to build all pools, straightaway, even at the height of the season and whatever the shape and nature of the pool that is to be made watertight. The reinforced **Alkorplan 2000®** membranes are sold on 25 ml rolls. They are put in place directly on site. Its simplicity of use, competitive price and exceptional strength give the Alkorplan membranes very special advantages. It is therefore recommended in the following cases:

- A puzzled customer faced with a thin "liner" and wanting a more long-lasting lining without, however, wanting to invest a very large sum in a conventional pool.
- A highly-frequented pool (hotels, camp sites, holiday villages, blocks of luxury flats, etc.).
- A free-form pool.
- Renovation of traditional pools that have cracked or developed big leaks.
- Conversion of all kinds of water reserves into pools.

The reinforced **Alkorplan 2000®** lining should not be seen as a direct competitor of the liner or traditional techniques (concrete-tiling). Those products have their own market and their own advantages and disadvantages. Liners are inexpensive and can be put in place very quickly but their life span is shorter. The traditional techniques are the most expensive but they offer a very good quality of finish. Their disadvantage, on the other hand, is a higher construction cost. The reinforced **Alkorplan 2000®** linings are therefore positioned as an intermediate product, combining the advantages of these two well-known techniques.

The considerable success of reinforced **Alkorplan 2000®** membranes over the last 20 years is glowing proof of that: over 160.000 pools have been made watertight with our membranes all over the world.

Alkorplan linings can be used, irrespective of the pool construction method (concrete, breeze blocks, panels in steel or aluminium, wood or polyethylene), whether the pool is new or old. A protective felt may be used if necessary.

To guide you in your choice and make it easier to order linings (off-cuts must be avoided as much as possible), you will find in this publication the full range of Alkorplan linings for pools and their accessories, distributed by **RENOLIT®**.

The tools needed to fit Alkorplan membranes are:

Tools required

- A pair of scissors
- A Stanley knife® with hooked blade for cutting the membrane
- A stainless steel ruler approximately 10 cm wide and a minimum 2 metres in length
- An applicator bottle for liquid PVC
- A site levelling instrument
- Hot air welding equipment (Leister type), with 20 mm nozzle
- A silicone pressure wheel
- Expansion rivets, 5 mm diameter, 25 mm length
- An impact drilling machine
- A scribing iron for checking the weld seams
- A wire brush
- A hammer
- A set square
- A marking line
- Lead pencil

