



Rely on it.

RENOLIT ALKORPLAN

Professional catalogue for reinforced liner installers

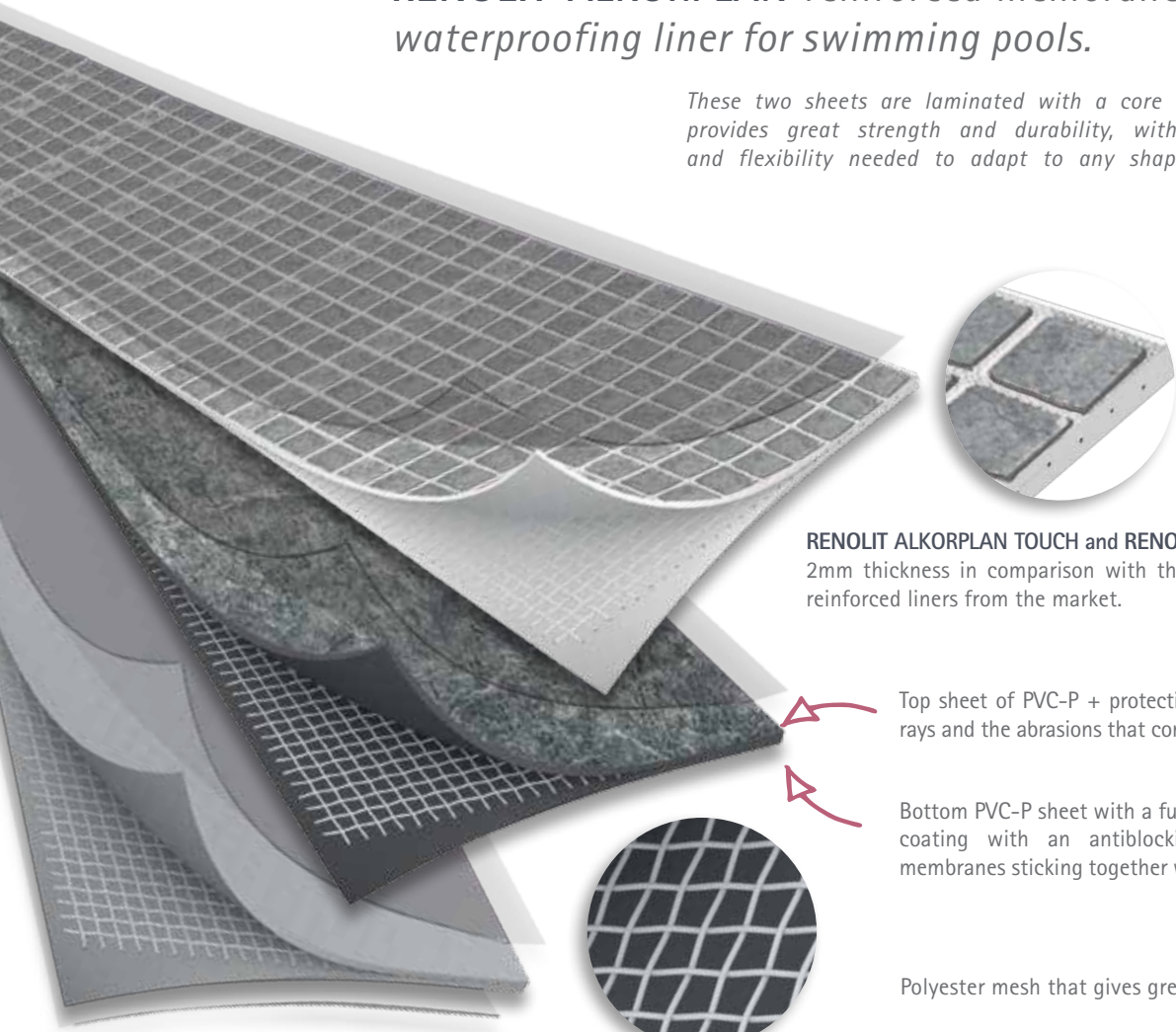
www.renolit.com/swimmingpool



Instructions and
Products for the
Installation and
maintenance of
Reinforced
membrane for
Swimming Pools

RENOLIT ALKORPLAN reinforced membrane is a decorative waterproofing liner for swimming pools.

These two sheets are laminated with a core of a polyester mesh, that provides great strength and durability, without losing the elasticity and flexibility needed to adapt to any shape or corner of the pool.



RENOLIT ALKORPLAN TOUCH and RENOLIT ALKORPLAN CERAMICS
2mm thickness in comparison with the usual 1.5mm of the other reinforced liners from the market.

Top sheet of PVC-P + protective lacquer against ultraviolet rays and the abrasions that come from daily pool use.

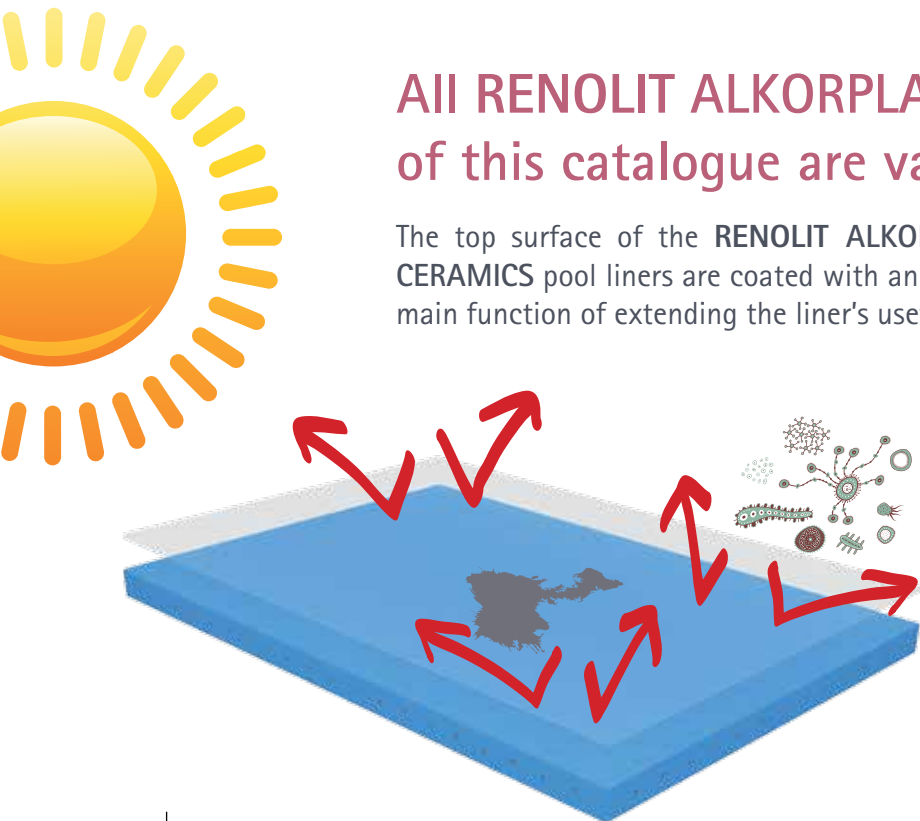
Bottom PVC-P sheet with a fungicide and a lacquer coating with an antiblocking agent to prevent the membranes sticking together when they are being installed.

Polyester mesh that gives great strength and stability.

RENOLIT ALKORPLAN XTREME
1.5mm thickness, special for public pools because of its resistance to chlorine and stains.

All RENOLIT ALKORPLAN reinforced pool liners of this catalogue are varnished

The top surface of the **RENOLIT ALKORPLAN2000/3000, TOUCH, XTREME and CERAMICS** pool liners are coated with an exclusive protective varnish, which has the main function of extending the liner's useful life.



Helps protect the membrane against:

- UV Rays.
- Stains.
- Seaweeds.
- Slight rubbings.

Top sheet

- Contains pigments of the highest quality to ensure excellent resistance to ultraviolet rays.
- Has a non-volatile plasticiser to ensure flexibility and ensure prolonged useful life.
- Contains an excellent stabiliser that makes the membrane dimensionally stable during sharp changes of temperature.
- The protective lacquer protects against scratches; ultraviolet rays, and acts as a stain repellent .



Bottom sheet

A bactericide is incorporated in the sheet to prevent the proliferation of bacteria, microorganisms and algae that can stain the membrane. It is also the only membrane on the market with an antiblocking lacquer, which improves material handling during installation.

Written guarantee of watertightness

All **RENOLIT ALKORPLAN** membranes are 100% watertight with a written guarantee. **RENOLIT ALKORPLAN** is the ideal lining for avoiding leaks.

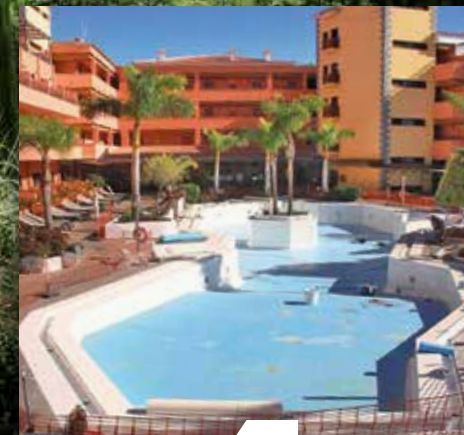
**GUARANTEE
WATERTIGHTNESS**

10 YEARS

It can be installed in half the time of other lining systems on any type of surface and onto any pre-existing material*, adapting to the shape of any pool shell.

* Except surfaces treated with bituminous laminas (asphalt fabric).

This lining system is suitable both for new build swimming pools and for refurbishments.



**Fast
renovation!**

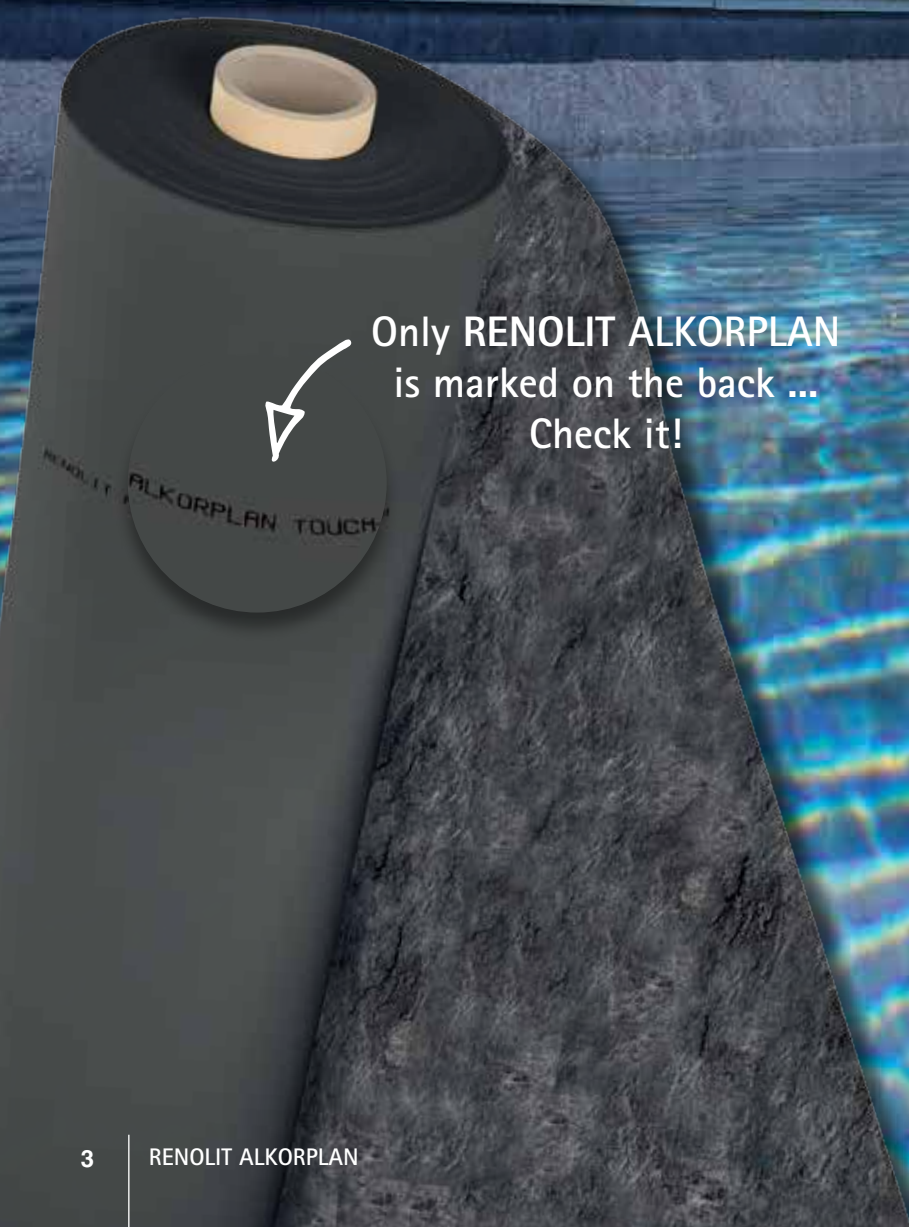
in just **4** days

Pools
10 x 5 m

in just **7** days

Pools
15 x 12,5 m

For all pool sizes and shapes!



Only RENOLIT ALKORPLAN
is marked on the back ...
Check it!

Swimming pool lining: Step by step



PRODUCTS

Adaptation of the pool shell	7
Fitting the fixings to the pool	9
Glues and adhesives	13
Geotextile use	17
RENOLIT ALKORPLAN reinforced membrane	25
Membrane installation tools	43
Subsequent membrane maintenance	47



Steps in lining a pool

- 1 Adaptation and disinfection of the pool shell
- 2 Mounting the anchorages to the pool shell
- 3 Geotextile use
- 4 Installation of the reinforced membrane
- 5 Membrane installation tools
- 6 Subsequent membrane maintenance

1

Adaptation of the pool shell

Before starting any project it is essential to prepare the structure to be able to work on it. As with the majority of jobs, not just swimming pools, the adaptation of the structure is more time-consuming than the installation of the product itself.

In the case of the installation of reinforced membrane in a new build swimming pool, it is enough just to clean the space on arrival at the pool, mount the anchorages and disinfect it with **RENOLIT ALKORPLUS Structure Disinfectant**. On the other hand, when dealing with a swimming-pool refurbishment, the installer must carry out a few further steps:



Check there is no water loss in the hydraulic circuit.

It is easy to check by applying pressure to the circuit. This step is recommended since if there are leaks once the swimming-pool is finished, their origin in the circuit can be ruled out



Repair any cracks that exist in the walls and floor.

If there are significant gresite wrinkles, cracks or joints, these must be filled and smoothed before placing the membrane so that they are unnoticeable once the swimming-pool is finished.



Check that the pool equipment, skimmer, nozzles, drain and lights are compatible with liners.

To achieve total water tightness the pool shell equipment for liner or reinforced membrane swimming pools must have double seals. Thus for refurbishments it is necessary to check that this is the case, and if not, substitute them.



Clean debris and impurities from the pool walls and floor.

It is necessary to sand the walls and sweep, even vacuum the whole floor with the aim of making sure there isn't even the smallest blemish, since once the membrane is fitted, it'll be impossible to remove it.

1

Adaptation of the pool shell

In the case of both new pools and renovations, the pool needs to be cleaned and disinfected to avoid organic matter remaining.

If there is any organic matter remaining in the pool structure microorganisms are likely to proliferate in the dark, damp conditions that prevail. These may migrate to the surface of the membrane causing irreversible stains.

For this reason, **RENOLIT** recommends the use of **RENOLIT ALKORPLUS Structure Disinfectant** to eliminate any organic remains and prevent subsequent problems.



RENOLIT ALKORPLUS Structure Disinfectant

An effective product for cleaning and disinfecting the structure prior to installing the lining, preventing the proliferation of microorganisms between the ground and the liner and, therefore, the appearance of irreversible stains.

Reference	Description	Colour	Contents (l/bottle*)	Packaging
81052002	Pool Shell Disinfectant	Transparent	1	6 Bottles

* The product must be diluted (1litre of disinfectant to 9 litres of water) and left to dry before the installation of geotextile or membrane. This quantity will disinfect approximately 75 square metres.



Product application

Application in new pools

Any new installation may be clean but not sterile. **RENOLIT ALKORPLUS Pool Shell disinfectant**, will provide long-lasting protection to the pool structure and prevent contamination. Apply the diluted product to the pool shell and allow to dry before installing the membrane.

Application for renovation work

Existing pool shells may be already contaminated either through use or neglect after being left empty.

An initial treatment with **RENOLIT ALKORPLUS Pool Shell Disinfectant** will dissolve organic matter and disinfect the entire pool. Once applied leave it to take effect for 24 hours and then clean up the disinfected pollution with a vacuum cleaner or by flushing through the drain.

A second application of the product should be carried out and allowed to dry and. This will complete the disinfecting programme and prevent any future build up of micro-organisms.



After dilution in 9 litres of water it should be applied with brush or roller over the entire surface of the pool creating a white foam that should cover the entire surface.



CAUTION!

Try to install the membrane WHEN THE PRODUCT IS DRY. Wet may damage the product.

2 Fitting the fixings to the pool

PVC laminated hung system

The PVC laminated hung is a 0.63 mm-thick Sendzimir zinc coated sheet in Adriatic blue which is specifically for fixing by heat welding. It is oven treated at high temperatures and fully lined. This profile has a highly resistant and durable 0.80 mm **RENOLIT ALKORPLAN** PVC membrane laminated to it.



The PVC laminated hung is anchored by mechanical and chemical mounting.



Chemical mounting

It is recommended that **chemical mounting** is made with polyurethane type polymers, or if the swimming pool is well levelled, any of the **RENOLIT ALKORGLUE** solutions can be used.

This mounting fulfils 2 functions: helping the installer anchor the colaminate to the wall while creating a barrier stopping exterior water filtering between the membrane and the structure.

Mechanical mounting: PVC laminated hung application

Mechanical mounting is done with fischer type rawlplugs with flange and stainless or galvanised bits. Once the profile is mounted around the whole of the upper part of the pool shell perimeter, the geotextile is placed just below it (recommended) and the two are joined with an aluminium tape to protect the geotextile from the heat of the welding. Once the geotextile is placed on the wall, the membrane can be installed, first by anchoring it with heat spots every 50 cm, so that it remains upright and facilitates the subsequent welding over the whole profile surface.

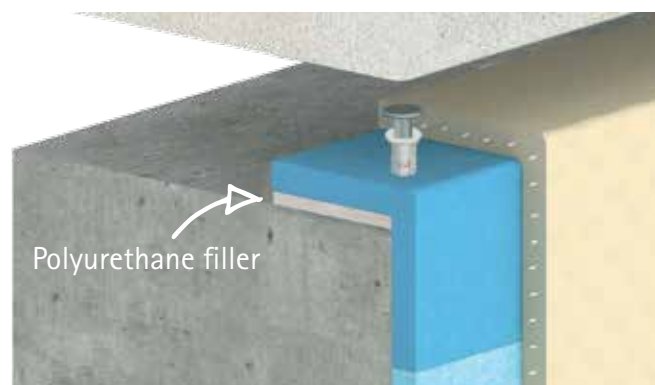
Chemical mounting



Mechanical mounting:



Application in new pools



In new construction, provided the top part of the pool edge has no imperfections and is at 90° to the wall, the PVC laminated hung 90° angle profile can be used, which will then be hidden under the coping stone.

Application in renovations

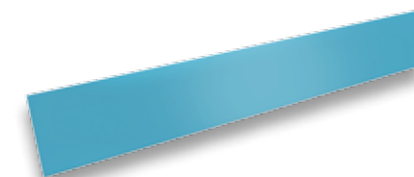


In renovations, so as to avoid the need to remove the coping stone, the standard colaminated profile is used if the wall is uniform, or the colaminated plate if the wall is of an irregular shape.



PVC laminate

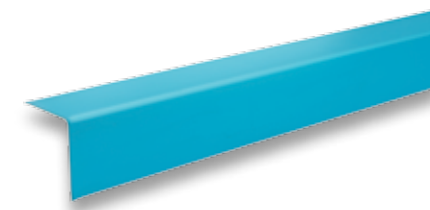
Particularly suitable for fixing reinforced membrane in existing pools for renovation or for pools where the horizontal surfaces are uneven or have irregularities.



Reference	Description	Thickness (mm)	Width (cm)	Length (m)	Packaging
81170022	PVC laminate	1,4	5	2	Unit

Laminate 90° angle profile

A Fixing with a 90° angle, suitable for new pools where the coping has not been fixed or for renovations where the crown can be removed and its upper surface of the pool structure is completely smooth.



Reference	Description	Thickness (mm)	Width (cm)	Length (m)	Packaging
81170042	Laminate 90° angle profile	1,4	4,5 x 4,5	2	Unit

Laminate

Ideal for pools with irregular shapes where the installer can design their own profiles with the angle and size required.



Reference	Description	Thickness (mm)	Width (m)	Length (m)	Packaging (plates/pallet)
81170002	Laminate	1,4	1	2	30



Hung, rigid PVC or aluminium profile fixing system

The hung system is an extruded PVC or aluminium anchorage that allows the mounting of the lining around the perimeter of the swimming-pool without the need for the colaminated profile. The main advantages of this system over the colaminated profile are a smoother appearance and the ease of membrane removal in the event of refurbishment or substitution.

This fixing system is suitable for both 1.50 mm reinforced membranes and 0.75 mm liners.

The extrusion is embedded between the wall and the coping, and normally, in countries where it is popular, tends to be installed directly in new-build swimming-pools, so when it comes to carrying out refurbishments, this type of anchorage is often found already fitted.



Product application

Application of the 9 mm strip

The membrane to be fixed must be placed face down, always ensuring that it is stretched over a surface free from items that could damage or dirty it.

Hold the strip in one hand, passing it just under the roller and progressively apply heat with the welding tool by sliding the roller little by little until the strip is entirely welded to the end to be fixed.

Once the strip has been welded to the membrane, insert it into the hung system slot so that the two fit together and the reinforced membrane is fixed to the pool perimeter once it is full of water.

To unfasten the membrane, you simply need to empty the pool and push the membrane upwards slightly and it will come free.

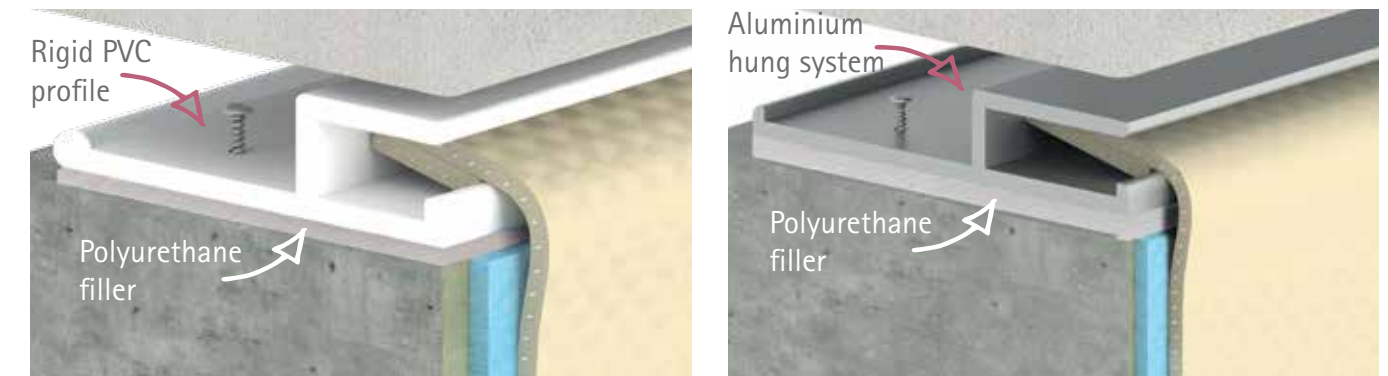
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Fitting the fixings to the pool

Hungs: Application and systems

Place the rigid PVC hung in the space set up for this purpose under the pool coping along the upper perimeter of the shell and fix it. If the pool is new, complete this process before placing the pool coping stones. If it is a pool refurbishment, hollow out a space under the pool coping using a hammer and a chisel.

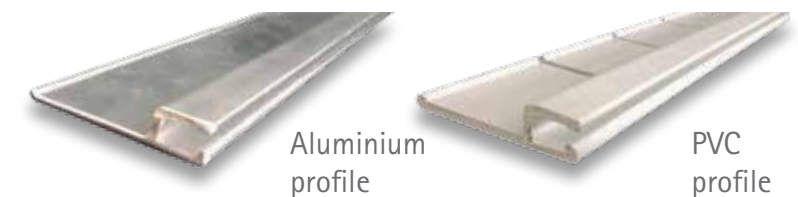
Immediately weld a 9 mm **RENOLIT ALKORPLUS** strip at the end of the reinforced membrane **RENOLIT ALKORPLAN**.



We recommend the use of some type of polyurethane filler sealant to help support the profile and avoid water filtering underneath it.

Bead receiver track

The bead receiver track in white PVC or aluminium is 50mm x 2m. Suitable for both new pools and refurbishments. It can be moulded to straight or curved stretches.



Reference	Description	Width (cm)	Length (m)	Packaging
8GAYPALU	50 mm. aluminium profile	5	2	Unit
8GAYPPVC	50 mm. PVC profile	5	2	Unit

9 mm RENOLIT ALKORPLUS strip

9 mm wide and 1.5 mm thick band, made of the same materials as the **RENOLIT ALKORPLAN** reinforced membrane, and with the same resistance and adhesion properties. It is used as anchorage in reinforced membrane installation in swimming-pools together with rigid PVC profile, French profile or aluminium hung.

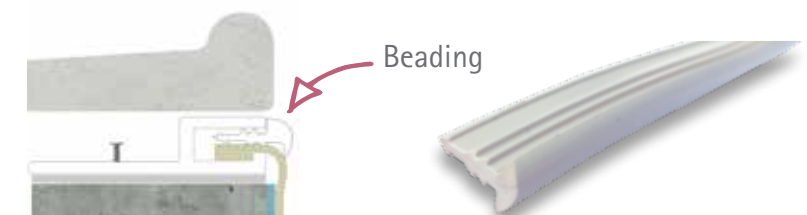


Reference	Description	Colour	Thickness (mm)	Width (mm)	Length (m)	Packaging (rolls/box)
81048001	9 mm. strip	White	1,5	9	25	20

6 mm Locking bead

Beading to lock the reinforced membrane anchorage when the hung system is used.

It also has an aesthetic finishing function.



Reference	Description	Colour	Width (mm)	Length (m)	Packaging (rolls/box)
8GAYLLOW	6 mm Locking bead	White	6	50	1

RENOLIT ALKORPLAN Glues and adhesives

RENOLIT is aware of the needs of the professional when installing the **RENOLIT ALKORPLAN** reinforced membrane, and therefore offers 3 different fixation types for different cases that can be submitted in a swimming pool.

Specific thermo-adhesive for the staircase realization

RENOLIT ALKORGLUE Thermo-adhesive based on Nitrile Rubber, very fast drying, which is applied and reactivated with the welding gun when necessary. Its ultra-fast drying prevents unsightly lumps from forming and its tremendous efficiency makes it only necessary to apply it on the substrate. For this reason we recommend it for strategic or visible places, where the fixation must be good and impeccable.



Solvent-free adhesive for geotextile and polystyrene fixation

RENOLIT ALKORGLUE Zero Solvents. Less aggressive glue free of organic solvents suitable for fixing geotextile fleece onto any surface, including expanded polystyrene. Its drying time is more than half an hour, so if a fixing error may occur; it is possible to remove it without damaging or tearing the contact surfaces. It is so short-lived that when it is wet, it can be removed with water.

Contact glue for any need type in the pool

RENOLIT ALKORGLUE Neoprene-based contact glue. It does not contain Toluene, like the vast majority of contact glues, making it much healthier for the person who breathes it. It works for optimal fixation of the membrane to practically any material. It is necessary to apply the glue to both the structure and the membrane and it is also reactivated with heat.

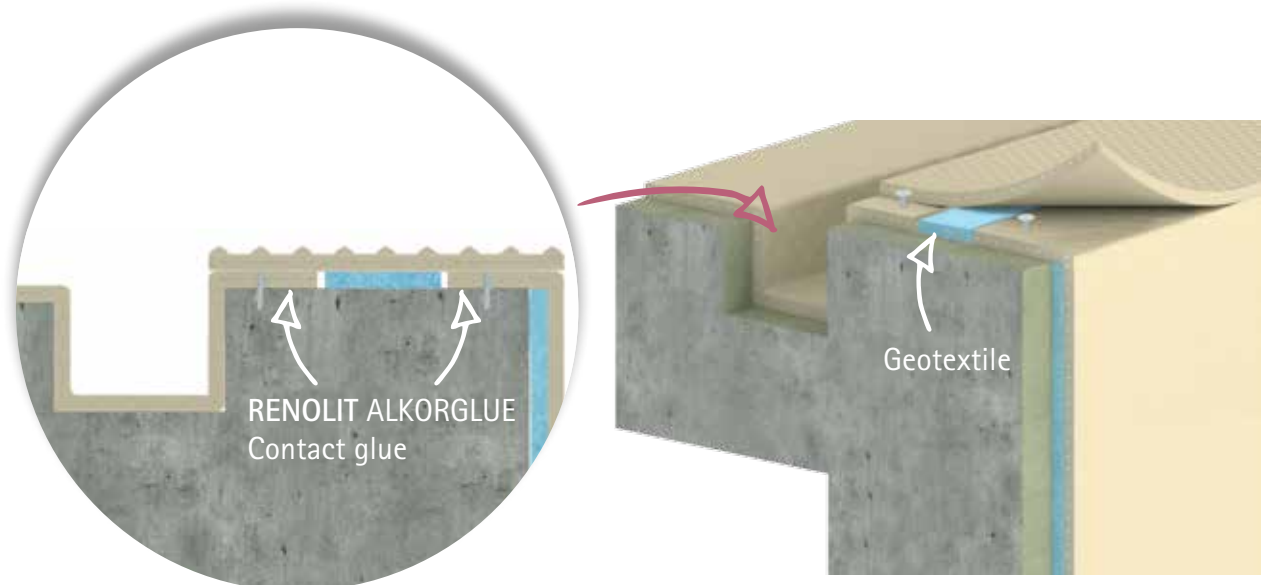


2

Fitting the fixings to the pool

Infinity pools and overflow channel

When dealing with a public or private swimming pool with an overflow channel or an "infinity" style pool, there are numerous ways to anchor the membrane and each installer uses their own methods. The **RENOLIT** recommendation is to use the membrane itself as if it were a right-angled colaminated profile. With this system it is necessary to mount the membrane to the top of the wall chemically and mechanically to ensure optimal anchorage.



Membrane mounting

The membrane is mounted directly to the support with **RENOLIT ALKORGLUE**. **RENOLIT ALKORPLUS** expansion rivets are used on cement structures; and aluminium rivets are employed on steel structures. These systems ensure that the membrane remains secure even with heavy bathing loads.

Advice!

To avoid subsequent problems in use, ensure that the overflow in infinity pools is completely level. An uneven channel will not drain correctly, causing problems for the pool owner.

Channel lining

With regard to the channel lining, to avoid welds in difficult places and the high leak risk, fitting the laminate as a single piece is recommended, gluing it with **RENOLIT ALKORGLUE Contact Glue** in phases to facilitate the handling of the laminate:

First, glue the entire channel and then the membrane, but not completely. You must first glue one side and set it on the wall, applying pressure so that it adheres well, then glue the area that will go in the bottom of the channel, repeating the operation, and lastly the remaining wall. If you do not do it like this, you run the risk that it does not adhere well.



RENOLIT ALKORGLUE

Neoprene-based contact glue

The **RENOLIT ALKORGLUE 81045** glue is a neoprene based contact adhesive. It is toluene-free and environmentally friendly.

It will form a prefect bond between **ALKORPLAN** pool liner membrane, and geotextile 81006 to metal, wood, rigid PVC, concrete and other surfaces.

It is not suitable for use in contact with expanded polystyrene.



Reference	Description	Colour	Contents (lt.)	Packaging
81045001	RENOLIT ALKORGLUE Neoprene-based contact glue	Yellowish	5	1 drum
81045002	RENOLIT ALKORGLUE Neoprene-based contact glue	Yellowish	20	1 drum

RENOLIT ALKORGLUE 81045 for pools is a highly versatile contact adhesive suitable as a general purpose adhesive for the installation of reinforced membrane and other accessories such as geotextile. Unlike many equivalent industrial-use contact glues, it is Toluene-free. The product is ready for use and does not require additional solvents. Utensils should be cleaned with acetone or THF solvents for metallic elements.



Product application

Stir/mix the adhesive before use. Apply to both surfaces to be joined using a spatula, brush or roller. You must wait for the glue to completely dry - when touching it does not raise "strands"-, before sticking the two surfaces. From that moment you have 30-60 minutes to proceed with the union of the surfaces, depending on ambient temperature and relative humidity. Apply uniform pressure over the whole surface to be glued. The slow drying of this glue allows small corrections to be made during the installation of the reinforced laminate. Once the 30-60 minutes have passed, it will no longer be possible to make any more corrections. You must not apply the contact glue on the overlap where thermo-fusion will later take place since this will hinder a homogeneous weld. If the product accidentally stains the visible face of the laminate, it can be removed without the use of solvents.

RENOLIT ALKORGLUE

Nitrile Rubber based thermo-adhesive

RENOLIT ALKORGLUE is a toluene-free, Nitrile Rubber based glue. The volatile solvent make is quick-drying and it has high resistance to water, ageing and plasticisers.

These factors make it especially suitable for mounting the membrane on cement and mortar, and on stairs and corners even when damp.

It has the added advantage of being reactivated by a hot-air welder, for those occasions when the membrane has been left open for long periods.



It is ideal for stairs and aesthetically sensitive areas, as it does not produce air bubbles that are unsightly and prevent complete adhesion.

The quick-drying and reactivating properties make it the most suitable product for those occasions when speed of installation is necessary or when completing areas that have been left unfinished.

Reference	Description	Colour	Contents (lt.)	Packaging
81043002	Quick-drying glue	Whiteish	5	1 drum

The adhesive should be applied at approximately 300gr/m² (150 g/m² on each substrate).



Product application

For anchorages

The glue must only be applied to the support. The surface must be free from dust and impurities. Once the glue is dry, the reinforced membrane is placed on top and heat is applied to both with a hot-air gun.

For mounting the membrane on stairs

The glue is applied only to the structure with a roller. The surface must be free from dust and any other debris. This glue dries very quickly (2 to 5 minutes) so do not delay contact between the two elements for long.

The glue must not be applied on the overlap where thermo-fusion will later take place, since it will hinder homogeneous welding.



3 Geotextile use

The importance of geotextile use

RENOLIT ALKORPLAN geotextile is an inert blue polypropylene 400/grm² mesh, exclusive to **RENOLIT**. It is made of fungicide treated synthetic fibres whose main value is mechanical resistance to perforation and traction.

It is mainly used as separation between the swimming pool pool shell and the **RENOLIT ALKORPLAN** reinforced membrane.

Its main function is to protect the lining from erosion caused by the structure, thus lengthening the life of the reinforced membrane.

RENOLIT ALKORPLAN Fungicidal geotextile

400 gm light blue polypropylene geotextile felt, treated with natural anti-bacterial additives of metallic-ion, for a continuous anti-bacterial action. It is used as a protective layer between the **RENOLIT ALKORPLAN** membrane and the swimming pool surface, avoiding the proliferation of bacteria, fungus and microorganisms, and reducing the relief of irregular surfaces that the swimming pool may have before applying the laminate. It gives a much more agreeable sensation for the bather when they walk on the membrane.



Reference	Description	Raw material	Colour	Width (m)	Length (m)	Weight (g/m ²)
81006005 *	RENOLIT ALKORPLAN Fungicidal geotextile	Polypropylene	Light blue	1,50	50	400
81006006	RENOLIT ALKORPLAN Fungicidal geotextile	Polypropylene	Light blue	1,65	50	400
81006007	RENOLIT ALKORPLAN Fungicidal geotextile	Polypropylene	Light blue	2,00	50	400

* Specifically for butt welding by its width of 1,50 m.

Why is the use of **RENOLIT ALKORPLAN** geotextile also recommended?

- Thanks to its fungicidal treatment, it avoids the proliferation of microorganisms between the reinforced membrane and the pool shell caused by the moisture of the ground or the pre-existence of organic elements, and thus the risk of transferral to the swimming pool water.
- Visually softens possible irregularities in the support.
- Adds comfort to the bathers steps.
- Acts as a heat insulator keeping the cold or the heat in the pool for longer, gaining up to 2 degrees.

Its use is highly recommended, especially if the pool is going to have a smooth coloured reinforced membrane installed as it reduces irregularities in the support.

RENOLIT ALKORGLUE Zero Solvents

Multipurpose glue free of organic solvents suitable for not damaging sensitive materials like geotextile fleece or polystyrene.

Thanks to being in an aqueous suspension, it can be used as a wet, semi-wet or contact glue. It is non-flammable.



Reference	Description	Colour	Contents (kg.)	Packaging
81046001	RENOLIT ALKORGLUE Zero Solvents	Beige	20	1 drum



Product application

The glue will always be applied with a spatula, the teeth of the spatula will depend on the support material. It can be applied indifferently on one or both sides. Once the adhesive has been applied, it will take about 45 minutes to install the geotextile or the liner on the substrate. Once is in place, it is recommended to press with a pressure roller on the surface to eliminate the adhesive grooves produced by the spatula to prevent air pockets. Stains or traces of wet adhesive can be removed with water.

3 Geotextile use



Application of RENOLIT ALKORPLAN geotextile on the walls



Apply **RENOLIT ALKORGLUE** neoprene-based contact glue to the wall in a 20 cm band just below the mounting profile avoiding touching it. Then also apply the glue to the part of the geotextile to be stuck and leave to dry until the solvents have evaporated. One way of knowing when they have evaporated is when neither surface is sticky to the touch.



Install the **RENOLIT ALKORPLAN** geotextile below the mounting profile, applying pressure to the glued area. Fit the geotextile to the shape of the wall by applying pressure with the hands to avoid the formation of wrinkles.



The geotextile must never touch the mounting profile, if this happens, before the installation of the membrane, remove the excess. Although the glue has dried, it is wise to wait and do other jobs before installing the membrane on the walls to let the solvents that may remain continue evaporating. This avoids the formation of gas bubbles beneath the membrane.



Once the geotextile is installed, locate the positions of the swimming pool accessories and cut away the geotextile covering them along their outer perimeter.



Application of RENOLIT ALKORPLAN geotextile on the floor



Before placing it, clean the floor of the swimming pool well so there are no stones, rough areas or other irregularities. It is a good idea for the floor to be as dry as possible to avoid excess moisture.



Cut the geotextile to the dimensions of the floor, making sure it is not mounted over the laminate or other geotextile areas.



Fix it to the floor by applying **RENOLIT ALKORGLUE** contact glue since it is a very light material and the wind could lift it or move it.



In the case of butt welds, once the geotextile is in place, cut away and remove the material from where the top weld will go and where the welding will be done. In this case the geotextile helps to achieve the final visual flatness of the floor.



RENOLIT recommends the use of the fungicidal geotextile **RENOLIT ALKORPLAN** not only for the stains prevention, for the reduction of defects that may the structure have, or for the comfort of the swimmer in his step, but specially to add more value to a swimming pool.



Not all geotextiles are the same.

Only the **RENOLIT ALKORPLAN** geotextile avoids the proliferation of fungus on both walls and bottom, and thus, protects the reinforced membrane. You'll recognize the **RENOLIT ALKORPLAN** fungicidal geotextile because of its unique blue colour and because the **RENOLIT ALKORPLAN** brand is stamped on it. Don't get confused!!

Installing the reinforced membrane

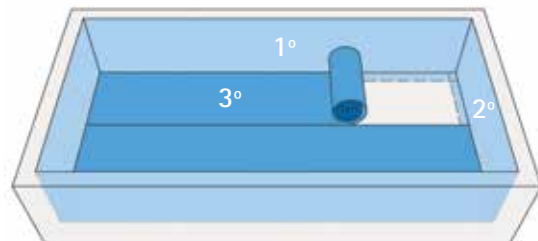
Placing the reinforced membrane

It is essential to organise the work well and lay out the pool before starting work. The sections necessary to line the pool should be calculated to avoid major material losses, but without sacrificing pool watertightness or aesthetics.

You should conceal joins and welds by siting them in the corners of the pool or in the least visible areas.

Order of placing the sections in a standard pool:

- 1° Lining the pool walls.
- 2° Welding the vertical walls and forming the angles.
- 3° Fixing the walls to the bottom.
- 4° Lining the pool bottom.
- 5° Welding the pool walls to the bottom.



Membrane application

Planning and making the cuts

To limit losses and the number of welds as far as possible, make an initial layout of the cuts to be made.

To do this you need:

- To take precise measurements on site and apply them to the roll to be cut.
- The cuts will be made with the aid of scissors and a curved edge cutter, tracing a guide line.
- In case of free-form pools, the cuts will depend on the pool shape.
- Measure twice, cut once.

Installing the sheet on the walls

- The pool walls need to be lined independently.
- Maintain an overlap of at least 5 cm on one of the sheet sides for welding the vertical walls.
- Maintain an overlap of at least 10 cm from the wall sheet to the pool bottom to weld it to the bottom sheet later.
- It is better to do the welding of the side walls in the vertical angles with the aim of achieving a better aesthetic affect (the use of **RENOLIT ALKORGLUE** contact glue is recommended to fix the membrane into the corners).

Installing the sheet on the pool bottom

- Cover the bottom with rolls laid widthways or longitudinally, so as to minimise the welds.
- During the installation on the walls, a recommended overlap of 10 cm will have been left at the angle with the pool bottom, to be laid below the bottom sheet for welding together at the meeting point.
- In case of a steep slope, fix the wall overlap to the bottom every 15 cm using expansion rivets to prevent the bottom membrane from moving towards the deeper part of the pool.



How to make a correct weld



Before starting to weld, clean the welding tool nozzle with a wire brush and check that the membrane to be welded is clean and dry with a clean, dry cloth or with kitchen roll.



Position the two membranes to be welded with an overlap of approx. 5 cm and check that the two are placed from end to end in the exact position where you want to weld them, so that they do not twist when you start to weld.



Welding must be carried out using a silicone roller, ensuring that the whole roller width is in contact with the membrane at all times.

Double welding

Although a single weld is sufficient to achieve a perfect joint if performed correctly, it is advisable to ensure the watertightness of the installation by making a double weld; one on the inside of the overlap and the other at the outside, just on the edge.

1st Weld

This weld is made to join the inner edge of the bottom membrane to the top membrane. The purpose of this first weld is to seal the inner edge and to create a closed space in the overlap to prevent air from escaping when the final weld is made. As it is a light weld, it can be made with a roller or by hand. If it is made with a roller, it is not necessary to press too hard.

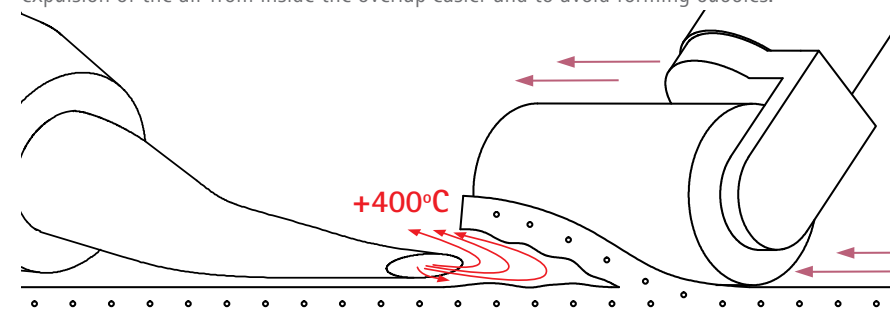


1st Welding on the inside of the overlap

2nd Weld

This weld needs to be made by injecting hot air into the closed space created previously. The welding tool should not be inserted fully into the overlap as this is not necessary and it can leave an escape route for the hot air. It should not be pointed directly at either the bottom or the top membrane so as to avoid burning them. Its sole function is to allow the cavity to be filled with hot air and for it to be this air, which is trapped at very high temperatures, that melts the two membranes and so makes the final joint across the whole overlap surface.

It is not necessary to press too hard with the roller in this step either, as its function is not so much to join the membranes as, above all, to expel the hot air present in the overlap to the outside so that it is not completely trapped. The roller should be positioned at around 2 or 3 cm from the nozzle and should always be moved at an angle of 45° to the welding tool to make expulsion of the air from inside the overlap easier and to avoid forming bubbles.



2nd Welding on the outside of the overlap

RENOLIT ALKORPLAN reinforced membrane



Rely on it.

The **RENOLIT ALKORPLAN** reinforced membrane is not just a watertightness solution for a swimming pool, it is also the most visible and striking feature, and as such, choosing a particular colour or design completely changes the aesthetic appearance of the swimming pool and the colour of the water, so it becomes a decisive and fundamental element for the pool owner.

RENOLIT offers a wide range of linings and options, suited both to the aesthetic requirements and the most technical demands of resistance and durability.

All the reinforced laminates for swimming pool linings that we offer in this catalogue are manufactured with virgin raw materials, high quality pigments and non-volatile stabilisers, and of course, everything is lacquered and with the **RENOLIT** guarantee!

These are the different product ranges you can choose from:

3D relief



2 mm reinforced laminate, printed and with relief, inspired by nature to give character and personality to swimming pools.



2 mm laminate, printed and embossed, inspired in the mosaics of classical Greece.

Without relief

**RENOLIT
ALKORPLAN
3000**

Double-lacquered printed 1.5 mm reinforced laminate available in exclusive designs to decorate at the same time as waterproof.

**RENOLIT
ALKORPLAN
2000**

Lacquered 1.5 mm single colour reinforced laminate, with highly resistant pigments and durable plasticisers designed to last in a swimming pool.



1.5 mm single colour laminate with an extended colour, stain and water tightness warranty, recommended for problematic pools with a large number of bathers.

**RENOLIT ALKORPLAN
NATURAL POOL**

1.5 mm single colour reinforced laminate specifically for biopools. Without fungicidal treatment, suitable for pools containing plants or animals.

RENOLIT ALKORPLAN TOUCH

TOUCH is the new reinforced membrane ALKORPLAN 2 mm thick. It is the strongest and most resistant on the market and has a natural finish.

TOUCH Membranes have exclusive prints and a 3D embossing that makes them unique, tactile, and visually exciting.

RENOLIT ALKORPLAN TOUCH

The big difference between TOUCH and the rest of the reinforced membranes on the market is its thickness, at 2 mm. This makes it the strongest and most durable out there. The other big difference from what is currently on the market is its great appeal.

TOUCH is the first reinforced membrane with relief emulating elements found in nature, such as slate, granite or sand.

GUARANTEE
10 years
WATERTIGHTNESS

Origin



Vanity



Sublime



Prestige



Elegance



Relax



Authentic



TECHNICAL SPECIFICATIONS	Length (m)	Width (m)	Thickness (mm)	Weight/m ² (kg)	Weight of roll (kg)	Packaging (rolls x pallet)
TOUCH	21	1,65	2	±2,5	±87,0	4

New 2021



TOUCH	Ref.	Width (m)	Finish
Origin	35517413	1,65	Lacquered

TOUCH	Ref.	Width (m)	Finish
Vanity	35517409	1,65	Lacquered

TOUCH	Ref.	Width (m)	Finish
Sublime	35517407	1,65	Lacquered

TOUCH	Ref.	Width (m)	Finish
Prestige	35517403	1,65	Lacquered

TOUCH	Ref.	Width (m)	Finish
Elegance	35517501	1,65	Lacquered

TOUCH	Ref.	Width (m)	Finish
Relax	35517401	1,65	Lacquered

TOUCH	Ref.	Width (m)	Finish
Authentic	35517402	1,65	Lacquered

Butt welding

In our range of 2 mm thick membranes **TOUCH** and **CERAMICS** it is possible to make a weld that only aims to improve the aesthetics of the finish. It is the famous Butt Welding. This does not mean that these membranes cannot be welded by overlap, like any traditional membrane, but as we say, for aesthetic reasons we recommend it exclusively for the floor area, which is the most visible.

For vertical walls, we recommend use 2mm membranes. **TOUCH** and **CERAMICS** the traditional overlap welding.

Recommended for 2 mm membranes as **TOUCH** and **CERAMICS**

Butt welding is not mandatory, in fact many installers do not do it and there is no problem in this, as making a traditional overlap weld does not in any way affect the watertightness of the membrane. When it comes to the 2000 range, it's mandatory to perform butt welding on slip-resistant 1.8 mm membranes to prevent water leaks through its contour.

Elements and butt welding steps to follow



Place the 150 cm geotextile without remaining it on the membrane. Fix it with adhesive to avoid its movement.



At the opposite side of the Geotextile, the weld backing strip should be fixed to the head to prevent movement, without being mounted on the geotextile.



The welding of the membranes will be carried out right in the centre of the head welding band.



First, will be installed the first membrane with a double overlap welding.



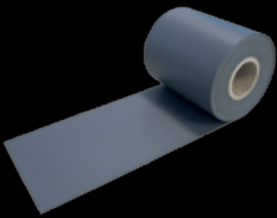
Then the same thing will be done with the second one, trying that there is no space between them but that they are not either mounted.



In this type of welding it is not necessary to use liquid pvc, just heat a brass roller to seal the joint of the 2 membranes.

Butt weld backing strip

A strip of membrane for backing butt welds. Butt welds are recommended for **TOUCH** pool floors to give an impeccable visual finish. Used in conjunction with a recess cut into the geotextile it will give a flat finish which will provide a more enjoyable sensation for bathers when walking on the floor.



Reference	Description	Thickness (mm)	Width (cm)	Length (m)	Colour	Packaging (rolls x pallet)
81113T20	Butt weld backing strip	1,5	15	20	Dark grey	72

RENOLIT ALKORPLAN Fungicidal geotextile

Polypropylene felt of 400 gr, with the same thickness under water of the Butt weld backing strip. The purpose of its use is to get a flat finish and to avoid any element marked under the membrane. The width of 1.50 m is specific for butt welding.



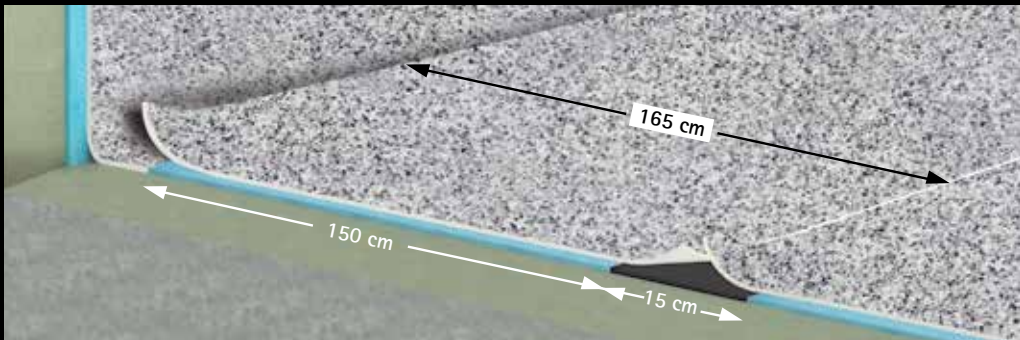
Reference	Description	Raw material	Width (m)	Length (m)	Colour	Weight (g/m²)
81006005	Fungicidal geotextile	Polypropylene	1,50	50	Light blue	400

RENOLIT ALKORGLUE Zero Solvents

Multipurpose glue free of organic solvents suitable for not damaging sensitive materials like geotextile fleece or polystyrene. Thanks to being in an aqueous suspension, it can be used as a wet, semi-wet or contact glue. It is non-flammable.



Reference	Description	Colour	Contents (Kg.)	Packaging
81046001	RENOLIT ALKORGLUE Zero Solvents	Beige	20	1 drum



Other TOUCH accessories

RENOLIT ALKORGLUE Neoprene based contact glue

The RENOLIT ALKORGLUE 81045 glue is a neoprene based contact adhesive. It is toluene-free and enviromentally friendly. It will form a perfect bond between ALKORPLAN pool liner membrane, and geotextile 81006 to metal, wood, rigid PVC, concrete and other surfaces. It is not suitable for use in contact with expanded polystyrene.



Reference	Description	Colour	Contents (lt.)	Packaging
81045001	RENOLIT ALKORGLUE Contact glue	Yellowish	5	1 drum
81045002	RENOLIT ALKORGLUE Contact glue	Yellowish	20	1 drum

TOUCH Seam sealer

Liquid PVC specifically for finishing the membrane welds of the RENOLIT ALKORPLAN TOUCH. Necessary for overlap and butt welds. The color and texture are designed to match the RENOLIT ALKORPLAN TOUCH membranes and its improved formulation gives it a permanent resistance to fading.



Reference	Description	Volume (g/drum)	Packaging (n° drums)
81023003	Liquid PVC AUTHENTIC	900	6
81023002	Liquid PVC RELAX	900	6
81023001	Liquid PVC ELEGANCE	900	6
81023004	Liquid PVC VANITY	900	6
81023005	Liquid PVC SUBLIME	900	6
81023006	Liquid PVC PRESTIGE	900	6
81023007	Liquid PVC ORIGIN	900	6

* A drum of product will seal around 100 m².

What happens in a pool where butt welding HAS NOT BEEN CARRIED OUT



Swimming pool without Butt welding nor geotextile.

By day and with moving water, the welds are not apparent.



Swimming pool without Butt welding nor geotextile.



If this swimming had been installed with Butt welding system, the joints of pool floor would not be seen.

A swimming pool installed by butt welding in the pool bottom, the absolute flatness and the joints can be practically invisible.

RENOLIT ALKORPLAN CERAMICS

It looks like... but isn't!



No detached tiles or crumbling grouting!!

RENOLIT ALKORPLAN CERAMICS

2 mm. embossed pool liner simulating the vitreous pieces of the traditional tiles but with all the advantages of the reinforced membrane as it is the guaranteed watertightness and the minimum maintenance.

Welding options

The welding finish is very discreet thanks to its white joints. Also, if butt welding is done, it can be practically invisible.



Overlap welded seams



Butt welded seams

TECHNICAL SPECIFICATIONS	Length (m)	Width (m)	Thickness (mm)	Weight/m ² (kg)	Weight of roll (kg)	Packaging (rolls x pallet)
CERAMICS	21	1,65	2	±2,5	±52,3	4

RENOLIT ALKORPLAN CERAMICS	Ref.	Width (m)	Finish
Atenea	35617202	1,65	Lacquered



RENOLIT ALKORPLAN CERAMICS	Ref.	Width (m)	Finish
Selene	35617203	1,65	Lacquered



RENOLIT ALKORPLAN CERAMICS	Ref.	Width (m)	Finish
Etna	35617204	1,65	Lacquered



RENOLIT ALKORPLAN CERAMICS liquid PVC

If the pattern on adjacent sheets is lined up correctly it is not essential to use seam sealer on the welds. However a white liquid PVC is produced specifically for RENOLIT ALKORPLAN CERAMICS.

Liquid PVC is not a substitute for the hot air welds required for a watertight finish.

Reference	Description	Colour	Contents (g/drum*)	Packaging
81021001	Seam Sealer	White	900	6 Drums

* A drum of product will seal around 100 m².

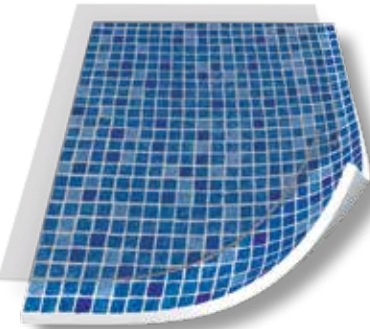


RENOLIT ALKORPLAN

Printed with lacquer

RENOLIT ALKORPLAN3000 is the high-end RENOLIT range. It offers the same quality guarantees as the RENOLIT ALKORPLAN2000 but with contemporary designs and textures.

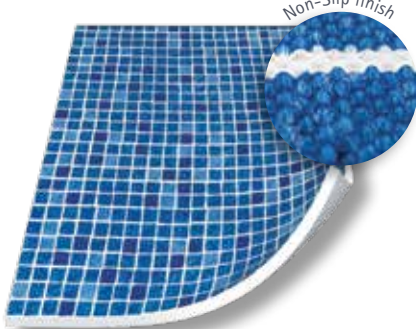
All RENOLIT ALKORPLAN3000 membranes are protected by a super resistant multi-layer of lacquer that extends the life of the membrane and prevents premature aging.



RENOLIT ALKORPLAN3000

High quality membrane printed with exclusive designs, coated with a special protective multi-layer lacquer that protects against:

- Abrasion or scratching caused during use.
- Appearance of algae and bacteria.
- Protection from UV rays.



RENOLIT ALKORPLAN Non-Slip

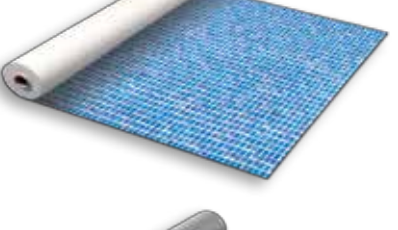
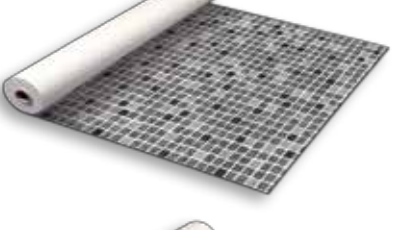
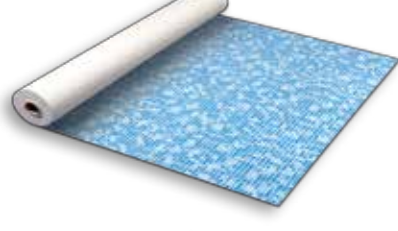
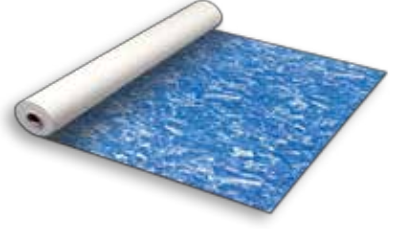
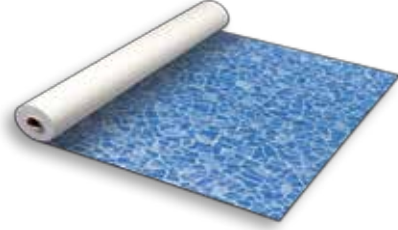
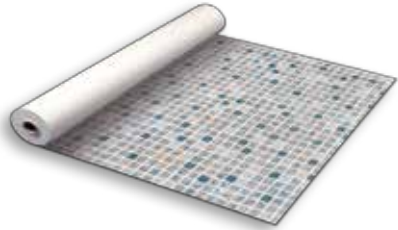
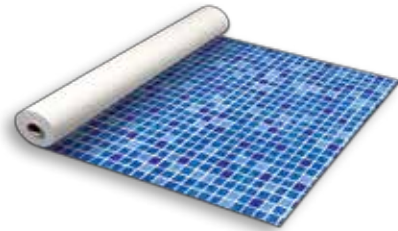
High-quality membranes with an exclusive emboss. Suitable for installation in the slippery areas inside and outside the pool, as steps, deck-level pools, ladders, walkways, and diving platforms.

It comes in three attractive designs to match the RENOLIT ALKORPLAN3000 Persia Blue, Bysance Blue and Carrara models.

TECHNICAL SPECIFICATIONS	Length (m)	Width (m)	Thickness (mm)	Weight/m ² (kg)	Weight of roll (kg)	Packaging (rolls x pallet)
3000	25	1,65	1,5	±1,9	±80	8
3000 Non-Slip	12,6	1,65	1,8	±2,3	±48,5	10

GUARANTEE
WATERTIGHTNESS

10 YEARS



RENOLIT ALKORPLAN3000	Ref.	Width (m)	Finish
Persia Blue	35417217	1,65	Lacquered
Persia Blue Non-Slip	81122317	1,65	Non-Slip

RENOLIT ALKORPLAN3000	Ref.	Width (m)	Finish
Persia Sand	35417220	1,65	Lacquered

RENOLIT ALKORPLAN3000	Ref.	Width (m)	Finish
Carrara	35417214	1,65	Lacquered

RENOLIT ALKORPLAN3000	Ref.	Width (m)	Finish
Marbre	35417213	1,65	Lacquered

RENOLIT ALKORPLAN3000	Ref.	Width (m)	Finish
Bysance Blue	35417209	1,65	Lacquered

RENOLIT ALKORPLAN3000	Ref.	Width (m)	Finish
Persia Black *	35417222	1,65	Lacquered

* While stocks last.

RENOLIT ALKORPLAN3000	Ref.	Width (m)	Finish
Mosaic *	35417202	1,65	Lacquered

* While stocks last.

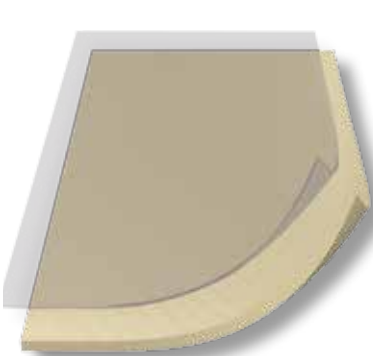
RENOLIT ALKORPLAN3000	Ref.	Width (m)	Finish
Platinum *	35417402	1,65	Lacquered

* While stocks last.

RENOLIT ALKORPLAN

Unicolor Range

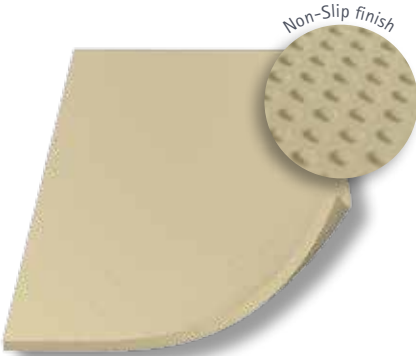
- Easy installation on any material
- In half the time of other systems
- Good adaptability to irregular shapes
- Minimum maintenance
- Long-lasting
- Waterproofing guaranteed for 10 years



RENOLIT ALKORPLAN2000

High quality membranes coated with a lacquer that gives them great UV stability, resistance to aging and weathering, and with the addition of fungicides and bactericides to prevent bacterial growth that make it rot-proof.

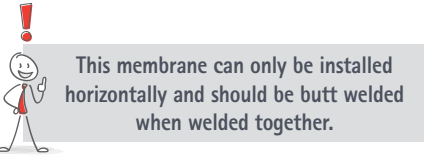
It is available in 7 different attractive colours.



RENOLIT ALKORPLAN Non-Slip

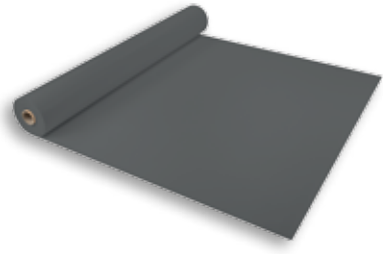
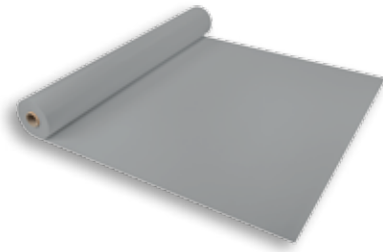
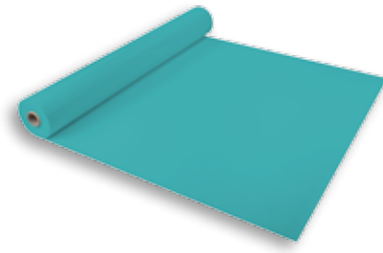
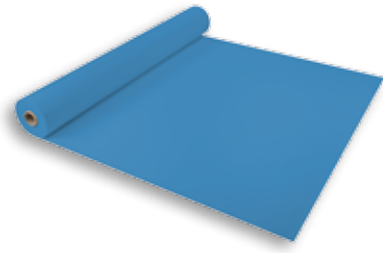
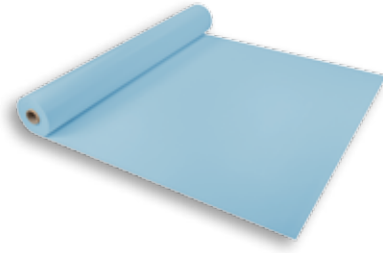
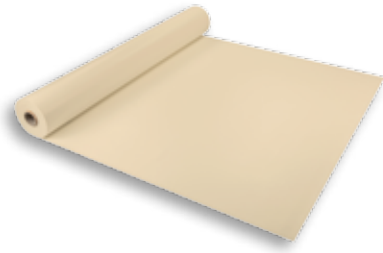
High-quality membranes with an exclusive emboss. Suitable for installation in the slippery areas inside and outside the pool to avoid falls and accidents.

It comes in seven attractive colours to match the RENOLIT ALKORPLAN2000.



GUARANTEE
WATERTIGHTNESS
10 YEARS

TECHNICAL SPECIFICATIONS	Length (m)	Width (m)	Thickness (mm)	Weight/m ² (kg)	Weight of roll (kg)	Packaging (rolls x pallet)
2000	25	1,65	1,5	±1,9	±80	8
2000	25	2,05	1,5	±1,9	±95	8
2000 Non-Slip	12,6	1,65	1,8	±2,3	±48,5	10



RENOLIT ALKORPLAN2000	Ref.	Width (m)	Finish
White	35216202	1,65	Lacquered
White	35216201	2,05	Lacquered
White Non-Slip	81116501	1,65	Non-Slip

RENOLIT ALKORPLAN2000	Ref.	Width (m)	Finish
Sand	35216210	1,65	Lacquered
Sand	35216211	2,05	Lacquered
Sand Non-Slip	81116505	1,65	Non-Slip

RENOLIT ALKORPLAN2000	Ref.	Width (m)	Finish
Light Blue	35216205	1,65	Lacquered
Light Blue	35216208	2,05	Lacquered
Light Blue Non-Slip	81116504	1,65	Non-Slip

RENOLIT ALKORPLAN2000	Ref.	Width (m)	Finish
Adriatic Blue	35216203	1,65	Lacquered
Adriatic Blue	35216207	2,05	Lacquered
Adriatic Blue Non-Slip	81116502	1,65	Non-Slip

RENOLIT ALKORPLAN2000	Ref.	Width (m)	Finish
Caribbean Green	35216204	1,65	Lacquered
Caribbean Green	35216206	2,05	Lacquered
Caribbean Green Non-Slip	81116503	1,65	Non-Slip

RENOLIT ALKORPLAN2000	Ref.	Width (m)	Finish
Light Grey	35216236	1,65	Lacquered
Light Grey	35216233	2,05	Lacquered
Light Grey Non-Slip	81116506	1,65	Non-Slip

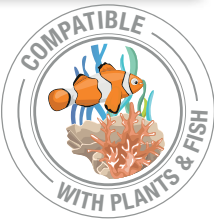
RENOLIT ALKORPLAN2000	Ref.	Width (m)	Finish
Dark Grey	35216327	1,65	Lacquered
Dark Grey	35216326	2,05	Lacquered
Dark Grey Non-Slip	81122607	1,65	Non-Slip



Guarantee
5 Years
On colour

Guarantee
5 Years
Anti stains

Guarantee
15 Years
Watertightness



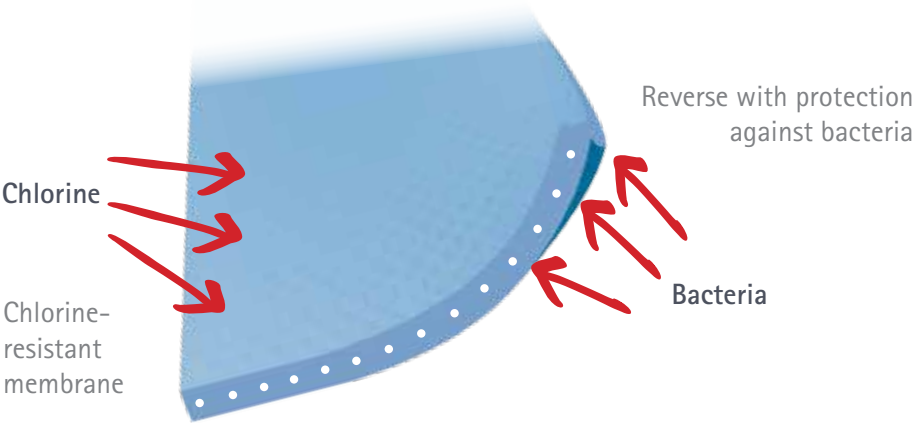
NON
TOXIC PRODUCT
Healthier ... Less smoke

RENOLIT ALKORPLAN XTREME

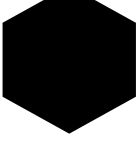
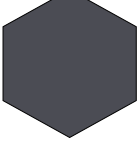
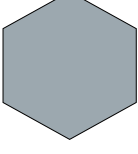
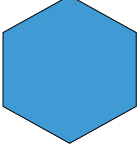
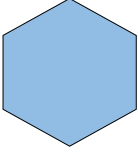
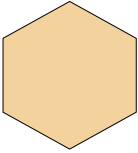
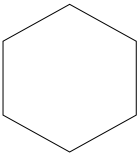
The most evolved reinforced **RENOLIT** membrane. Thanks to a powerful protective shield both on its upper and lower surface, this coating is indicated for pools with aggressive water treatments or with large influx of bathers.

Double protection... longer life

Its revolutionary formula and its protective layers on both sides of the membrane make **RENOLIT ALKORPLAN XTREME** an extraordinary product and superior to any created and produced to date.



TECHNICAL SPECIFICATIONS	Length (m)	Width (m)	Thickness (mm)	Weight/m ² (kg)	Weight of roll (kg)	Packaging (rolls x pallet)
XTREME	25	1,65	1,5	±1,9	±81,3	4
XTREME Non-Slip	10	1,65	1,8	±2,3	±43,0	5



XTREME	Ref.	Width (m)	Finish
Ice	35516241	1,65	Lacquered
Ice	35516341	2,05	Lacquered
Ice Non-Slip	81516241	1,65	Non-Slip

XTREME	Ref.	Width (m)	Finish
Sahara	35516242	1,65	Lacquered
Sahara Non-Slip	81516242	1,65	Non-Slip

XTREME	Ref.	Width (m)	Finish
Blue Fresh	35516243	1,65	Lacquered
Blue Fresh	35516343	2,05	Lacquered
Blue Fresh Non-Slip	81516243	1,65	Non-Slip

XTREME	Ref.	Width (m)	Finish
Azur	35516244	1,65	Lacquered
Azur Non-Slip	81516244	1,65	Non-Slip

XTREME	Ref.	Width (m)	Finish
Silver	35516245	1,65	Lacquered
Silver Non-Slip	81516245	1,65	Non-Slip

XTREME	Ref.	Width (m)	Finish
Volcano	35516248	1,65	Lacquered
Volcano Non-Slip	81516248	1,65	Non-Slip

XTREME	Ref.	Width (m)	Finish
Onyx	35516249	1,65	Lacquered
Onyx Non-Slip	81516249	1,65	Non-Slip

XTREME Seam sealer

Liquid PVC specifically for finishing welds in **RENOLIT ALKORPLAN XTREME** membranes. For both overlap welds and butt welds. Its colour, texture and composition allow it to match perfectly with **RENOLIT ALKORPLAN XTREME** membranes and its improved formulation makes it highly resistant to the passage of time and to discolouration.

Reference	Description	Contents (g/drum)	Packaging (n/drums)
81022001	Liquid PVC ICE	900	6
81022002	Liquid PVC SAHARA	900	6
81022003	Liquid PVC BLUE FRESH	900	6
81022004	Liquid PVC AZUR	900	6
81022005	Liquid PVC SILVER	900	6
81022008	Liquid PVC VOLCANO	900	6
81022009	Liquid PVC ONYX	900	6



RENOLIT ALKORPLAN NATURAL POOL

RENOLIT ALKORPLAN NATURAL POOL gives an extra dimension to your garden in summer and winter time. In summer the whole family can enjoy a refreshing dive in the cristal clear water. In winter the pool stays a natural water element in the garden.

Waterproofing membrane of flexible polyvinyl chloride (PVC-P) with a polyester reinforcing. Designed for natural swimming pools and small swimming ponds for private use.

- Non-toxic for fish and aquatic plants.
- Resistant to swelling and rotting.
- High resistance to puncturing.

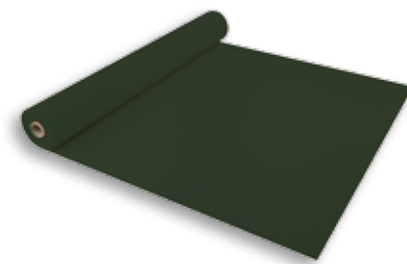
GUARANTEE WATERTIGHTNESS

10 YEARS

Advantages

- ✓ Can be installed without wrinkles or folds.
- ✓ Makes it easy to line stairs and difficult shapes.
- ✓ **RENOLIT ALKORPLAN** natural swimming pond liner is a 1.5 mm thick polyester reinforced liner that guarantees long term water fun in your garden.
- ✓ **RENOLIT ALKORPLAN NATURAL POOL** liners are hot air welded which guarantees a homogeneous and perfectly watertight finish.
- ✓ Accidental damages can be repaired throughout the entire lifecycle of the membrane in a simple and professional way.
- ✓ **RENOLIT ALKORPLAN** natural swimming pool liner is fish and plant friendly.

TECHNICAL SPECIFICATIONS	Length (m)	Width (m)	Thickness (mm)	Weight/m ² (kg)	Weight of roll (kg)	Packaging (rolls x pallet)
OLIVE GREEN	20	2,05	1,5	±1,9	±80	9
BLACK	20	2,05	1,5	±1,9	±80	9
DARK GREY	20	2,05	1,5	±1,9	±80	9



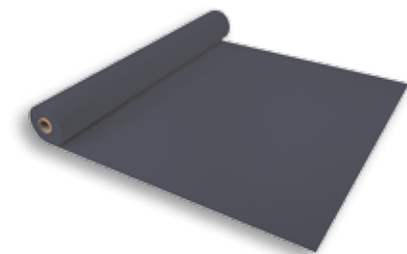
NATURAL POOL	Ref.	Width (m)	Finish
Olive Green	00328001	2,05	Non lacquered

The ideal colour for your Natural Pool as it is in complete harmony with the natural environment of your garden.



NATURAL POOL	Ref.	Width (m)	Finish
Black	00328003	2,05	Non lacquered

In addition to completely integrating into your garden, it allows the water to warm up more quickly.



NATURAL POOL	Ref.	Width (m)	Finish
Dark Grey	00328004	2,05	Non lacquered

The elegant and sophisticated colour for a bio-pool. Being in harmony with nature is no longer at odds with glamour.

Natural filtering system

A natural swimming pool has no need for an expensive filtering system to keep the water clear. The water is being purified by aquatic plants and by circulation through lava stones.

It can be integrated in your garden without disrupting the natural image in every season of the year.

Your natural swimming pool functions on a 100% natural filtering system.



5

Membrane installation tools

RENOLIT ALKORPLUS THF Solvent

THF (Tetrahydrofuran) is a solvent normally used to reduce the viscosity of liquid PVC or sealing lacquer. These products leave the factory with the correct viscosity, but since they are manufactured using volatile solvents, over time their viscosity increases. To reduce it, a small quantity if THF is added in the polyethylene bottle that the sealant contains.

It can also be used as a PVC accessory cleaner (tubes, piping, etc.), before the application of the specific PVC glue.

Reference	Description	Colour	Contents (l/bottle)	Packaging
81025001	THF solvent	Transparent	1	6 Bottles



RENOLIT ALKORPLUS MEC Solvent

MEC (Methyl ethyl ketone or Butanone) is a solvent used commonly to reduce the viscosity of sealants manufactured with the same MEK solvent. These products leave the factory with the correct viscosity, but as they are manufactured based on volatile solvents, their viscosity increases over time. To reduce it, add a small amount of MEK to the polyethylene bottle containing the sealant. This product is suitable for 81022 (**XTREME**), 81023 (**TOUCH**) and 81024 sealants.

Reference	Description	Colour	Contents (l/bottle)	Packaging
81024000	MEC Solvent	Transparent	1	6 Bottles



Expansion rivets

Stainless steel impact expansion rivets for mortar indicated for the fixing of the reinforced membrane to the floor of the pool and for use in the anchorages of the overflow channel as supplementary fastening to the contact glue or polyurethane filler.



Reference	Description	Packaging (u./box)
81051100	Expansion rivets	100



Seam sealer

Once the hot air weldings have been completed, they are subject to a compulsory check. This check should be carried out with a screwdriver or a seam probe tester. If the sharp end gets into the membranes, it should be welded again.

RENOLIT ALKORPLUS Seam sealer

Welds must be sealed with PVC to protect the weld and improve the appearance.

Liquid PVC is not a substitute for a hot air weld, however it will give some protection to imperfectly welded seams and smoothes the step of the overlap, reducing deposits along the weld line.

Reference	Description	Colour	Contents (g/drum*)	Packaging
81037001	Seam Sealer	Transparent	900	6 Drums
81035001	Seam Sealer	White	900	6 Drums
81054001	Seam Sealer	Sand	900	6 Drums
81032001	Seam Sealer	Light Blue	900	6 Drums
81039001	Seam Sealer	Adriatic Blue	900	6 Drums
81034001	Seam Sealer	Green	900	6 Drums
81029001	Seam Sealer	Light Grey	900	6 Drums
81028002	Seam Sealer	Platinum	900	6 Drums
81029003	Seam Sealer	Dark Grey	900	6 Drums

* A drum of product will seal around 100 m².



Seam Sealer application bottle

Reference	Description	Packaging
81145001	Seam Sealer application bottle	1 bottle
81245001	Dosing cap	1 cap
81445001	Seam Sealer application bottle + dosing cap kit	5 bottles (standard cap) + 20 dosing caps



Use

Pour the necessary amount of seam sealer into the applicator container to enable you to carry out sealing. Obviously, smoking while performing these operations is strictly prohibited.

Close the tin with care if it is not yet empty, to prevent the solvent from evaporating. Cut the applicator pouring spout obliquely, never horizontally. Apply the liquid PVC to the weld line.

A PVC "bead" will be formed on the welded seam; leave this to dry for half an hour. The liquid PVC can only be applied to a perfectly clean and dry weld.

Clean the pouring spout regularly to remove possible obstructions and drops.



Lane marker

RENOLIT offers a reinforced membrane for marking out the lanes in public pools. This membrane has a black laminate on its top side to make the lane division clearly visible and a transparent laminate on its back face to avoid remains of melted PVC from being seen after it has been welded to the main pool membrane.



RENOLIT ALKORPLAN Lane Marker

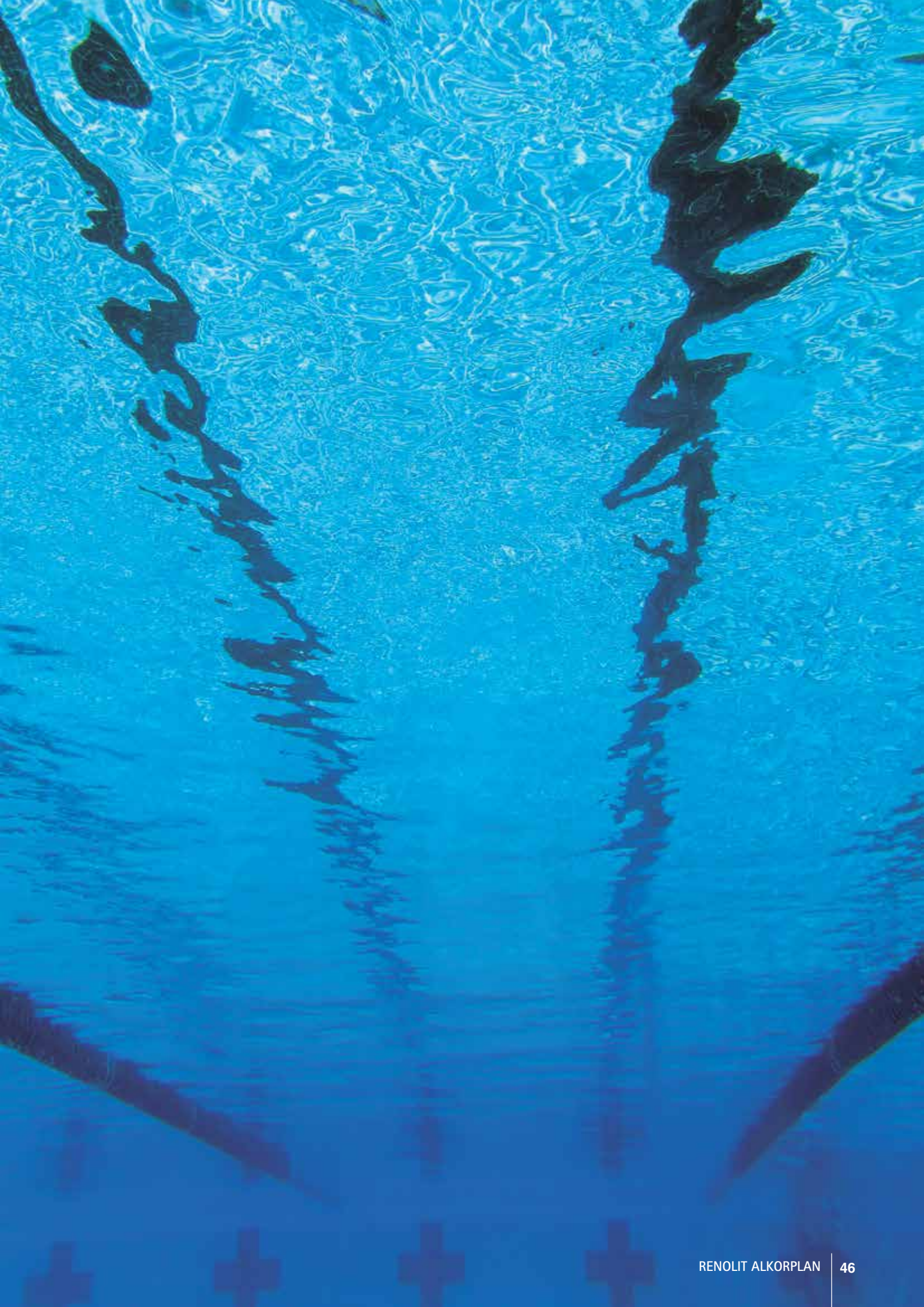
Black film band for marking the lanes in public and competition swimming pools.

Reference	Description	Thickness (mm)	Width (m)	Length (m)	Colour (m)	Weight (Kg)	Packaging
81113F25	Lane Marker	1,5	0,25	25	Black	13	30 rolls x pallet



Use

- Stretch the strip from end to end of the pool and fix it using spot welds to prevent it from deviating.
- Weld it along both longitudinal sides and by only one of the ends, so that a "U" remains.
- Expel the hot air accumulated inside the strip after the second weld with a heavy or blunt item, such as a bag of soil or a broom, by dragging it and pressing from one end of the strip to the other, avoiding damaging the membrane.
- Once the air has been removed, weld the remaining end and place the pieces of membrane at the ends to form the "T".



6

Subsequent membrane maintenance

Elimination of accumulated grease from the water line

RENOLIT ALKORCLEAN Degreasing cleaner

RENOLIT ALKORCLEAN is a degreasing agent for cleaning the scum line of the pool. Degreasing cleaner **RENOLIT ALKORCLEAN** can remove dirt that accumulates on the walls of the pool, particularly along the water level.

Due to its composition, this product is especially effective in the removal of oils and fats that are deposited on wall of the pool due to the continued use of sun creams and oils as well as organic waste arising from an environmental origin or deposited by the bathers themselves.



Reference	Description	Colour	Contents (l/bottle*)	Packaging
81026001	Degreasing cleaner	Transparent	1	Carton box with 6 Bottles

Neutralisation of metallic ions in the water

RENOLIT ALKORPLUS Anti-stain

RENOLIT ALKORPLUS Anti-stain is a mineral product in a 70% concentrated suspension available in 1 litre bottles. The product is able to neutralise various metal ions such as copper, lead, tin, cadmium, arsenic, silver, etc.

he presence of dissolved metals in the water can have several causes:

- Corrosion of piping, pumps, alternators, connections, etc.
- The presence of impurities in water treatment products *
- The partial or complete replacement of pool water (e.g. tap water may contain from 0 to 0.2 ppm of copper)
- Use of well water

* *Inconsistent use of water treatment products that contain copper (algicides or multifunction tablets).*

The presence of metallic impurities in water treatment products can be easily determined:

*Take 5 ml of water treatment product in a glass (if it is a solid product, dissolve 1 g in 5 ml of water), add 3 drops of **RENOLIT ALKORPLUS Anti-stain**, mix for 15 seconds and allow to react for 10 minutes.*

*If the water treatment product contains any heavy metals, **RENOLIT ALKORPLUS Anti-stain** will turn grey. Beware, if the tested product is very acidic (eg anti-lime products, certain products for cleaning the water line), it may give off an unpleasant odour. Therefore, we recommend testing outside.*



Reference	Description	Colour	Contents (l/bottle*)	Packaging
81059003	Anti-stain	White suspension	1	6 Bottles

One of the most significant causes of pool liner staining is the presence of metals dissolved in the water. These stains are difficult, sometimes even impossible, to remove.

For this reason, it is important to try to reduce the risk of formation of these stains by reducing the presence of dissolved metals in water.

Treating the water with **RENOLIT ALKORPLUS Anti-stain** is a safe and easy way of reducing the presence of metals dissolved in the pool water.

RENOLIT ALKORPLAN Multifunctional Roll holder

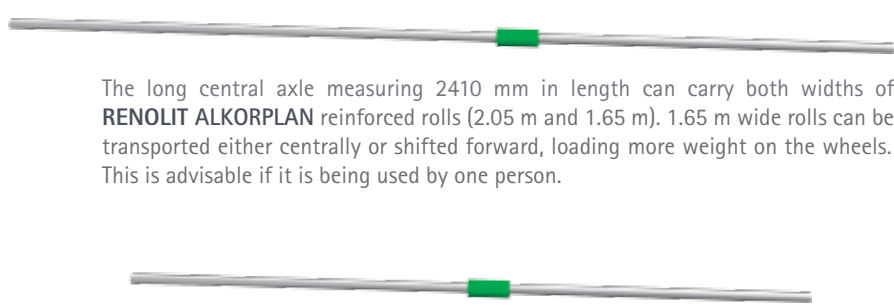
A device consisting of a stainless steel axle, handlebars and wheels to facilitate the transportation of reinforced membranes by one or two people from the vehicle to the pool site. It also makes handling, measuring and cutting easier even in confined spaces.

Benefits

- Easier to load and unload the rolls from vehicles.
- Easier to carry on stairs, or in narrow corridors, and especially when going down into the pool basin.
- Makes it possible to unroll and cut directly from the pool edge.
- It is especially effective in public swimming pool installations as an axle for cutting different sized panels.



Set of handlebars and wheels (there are 3 components ordered separately).



The long central axle measuring 2410 mm in length can carry both widths of **RENOLIT ALKORPLAN** reinforced rolls (2.05 m and 1.65 m). 1.65 m wide rolls can be transported either centrally or shifted forward, loading more weight on the wheels. This is advisable if it is being used by one person.

The shorter axle measuring 1840 mm can carry 1.65 m rolls only.

Reference	Description	Raw material	Length (m)
81360001	Set of handlebars and wheels	Stainless steel	-
81360002	Central axle for 1.65 m and 2.05 m rolls	Stainless steel	2410
81360003	Central axle for 1.65 m rolls only	Stainless steel	1840



Advice for conserving your RENOLIT ALKORPLAN liner



Carry out a daily test to ensure the the chlorine level is 1ppm and that the pH is between 7.2-7.6

If you disinfect your swimming pool with chlorine or with a salt electrolysis machine it is essential than the level of the chlorine is 1ppm and the pH level is between 7.2 and 7.6.

If you disinfect with bromide the level should be 1ppm and the pH level between 7 and 8. Excessive use of bromide can cause the liner to become brown in colour.



If the pool has a salt chlorinator you must add stabilizer at the beginning of the season

The chlorine generated by the saline electro chlorinator is stronger than normal chlorine.

To dilute add 30ppm of a isocyanuric acid stabilizer at the beginning of the swimming pool season and check daily that level of chlorine at 1ppm and the pH between 7.0 and 7.6.

If your saline electro chlorinator does not have a RedOx chlorine controller you should use a measuring guage. Even if your pool is equipped with an automatic Redox control it is necessary to manually check the chlorine on a very regular basis (daily).

This prevents the chlorinator producing more chlorine than necessary, which could bleach the liner and irritate eyes.



It is necessary that the TA level is maintained between 100 and 175ppm

TA (total alkalinity) represents the water's capacity for neutralising acids. A balanced TA level keeps pH from fluctuating and getting out of control. A TA level under 100 ppm turns water corrosive. Damage to the liner would be irreversible.

We recommend checking the PA level weekly or after rainfall.



Protect your swimming pool in summer and winter and do not empty it

Swimming pools are built to be full of water. They should not be left empty for long periods of time.

In the summer keep the water level constant.

In winter protect skimmers and filter systems against frost. Ask a pool specialist for the best winter treatment to keep the water in perfect condition the following season. Above all cover the swimming pool in winter.



Water from wells, or of unknown origin should be analysed and, if necessary, treated before it is used to fill or top up the pool

If the water does not come for the mains supply or from a guaranteed tanker it is very probable that the water will contain diluted metals such as iron, copper or magnesium.

These minerals can react with the chemical products and produce stains on the liner.

If this happens ask a specialist to carry out a treatment with **RENOLIT ALKORPLUS Antistain**.



No chemical products should come into direct contact with the liner

The correct and safest way of introducing any chemical product into the swimming pool is by using the skimmer with the circulation pump working.

If it is powder, granules or liquid and it is required to be put directly into the swimming pool, it must be diluted before in a bucket of water, and poured into different areas of the swimming pool. The circulation pump must always be in use to prevent concentration of a product in one area.

Avoid the use of floating dispensers because they can spend too much time in the same position and can bleach the liner.



Do not use chemical products which contain copper

Always read the level of the composition of the chemical products that you use, especially those for algae.

Some anti-algae products contain copper sulphate, these should be avoided.

Use anti- algae with a quaternary ammonia base. These are the best products for your hair and your skin. If by accident you have used a product containing copper, you should apply **RENOLIT ALKORPLUS Antistain**.



Avoid a build up of dirt and calcareous deposits on the waterline

The lacquer that protects the **RENOLIT ALKORPLAN** laminate will repel dirt; however, low maintenance and high bathing loads will accelerate the build up of waterline deposits.

Regular cleaning of the waterline with **RENOLIT ALKORCLEAN®** applied with a sponge or cloth will prevent the build up of grease and scale and avoid permanent staining.



Never use abrasive tools or aggressive cleaning products

Do not use aggressive chemical products or cleaning equipment, such as solvents; brushes with wire or stiff bristles; and abrasive pads or cloths that will damage the membrane. The liner is coated with a protective lacquer which is stain and dirt resistant, however it may be damaged if cleaned with abrasive materials or solvents.

RENOLIT ALKORCLEAN® is an ideal and efficient cleaner for your liner. It may be ordered though your Swimming Pool Specialist.



RENOLIT ALKORPLAN promotional material

To make your job easier, there are **RENOLIT** displays and rollups from each of the **RENOLIT ALKORPLAN**, ranges of products to decorate your showroom or shop and get the most out of your sales.

Ask your dealer...

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RENOLIT ALKORPLAN TOUCH



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Butt welding sample book



Sample book
RENOLIT ALKORPLAN TOUCH



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If you are looking for comfort and design in your home,
why don't you do it in your pool as well?



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Rely on it.