

Installation process for reinforced membranes 1.5 mm



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Introduction

Reinforced membranes are made with two layers of premium quality PVC sheet, reinforced with a woven polyester mesh. All the compounds of these pool coatings are manufactured using raw materials of the highest quality available in the world market.

The sourcing of raw materials and the continuous improvement of our products are performed by research and development specialists who work continuously for satisfying international standards and for obtaining optimum product performance. The quality controls performed to each of our products include computerized color monitoring, dimensional stability tests and thickness verifications, among others.

Our formulation parameters are chosen to bring excellent physical properties to our products such as:

- High resistance to break, tear and puncture
- Resistance UV radiation, humidity and heat degradations
- Protection to chlorine applied regularly
- Treatment against algae and microorganisms

Membrane printing is made with the application of electronic engraving technology producing clear and well defined designs, as well as color consistency and sharpness.

Required Tools



- Mallet
- Silicone
- Scissors
- Rollers
- Steel brush
- Cutter
- Screwdrivers
- Tweezers
- Leister
- Stainless steel pop rivets
- Wire extensions
- Measure tape
- Drills

Stage 1: Calculation and layout plan



- Take measurements of the pool dimensions
- Be sure to add a few centimeters of overlap margin to each measurement you take to be able to weld the membrane (The vertical margin of walls should be 5 to 7 cm and the horizontal margin of the floor 10 cm)
- Make an inventory of all the necessary membrane parts (vertical parts, horizontal parts, stairs, storage for the electrical cover ...)
- Calculate the different parts needed with precise measurements to optimize the use of the material and avoid waste

Stage 2: Pool set up and cleaning



- Before installing the membrane, make sure that the surface of the pool is smooth on all sides and free of defects or reliefs
- Proceed to make a careful inspection of the edges and the plumbing or lighting holes (if necessary, make repairs)
- Make a final sanding
- Clean the pool and edges with a broom and vacuum cleaner

Stage 3: Anti-bacterial treatment for the pool structure



- It is recommended to carry out an antibacterial treatment in the structure of the pool to avoid the harmful consequences of anaerobic activity
- Use a "biocidal" product (disinfectant type)
- The application of this product requires the use of a sprayer to treat 100% of the surface of the pool

Stage 4: Installation of joints for parts to be sealed



- The supports of the parts that will be sealed later on should be applied before the installation of the membrane, such as the supports used for the depuration pieces and the lights
- In case of a pool renovation, it is not possible to re-use the supports since the adjustment of these pieces should be done only once

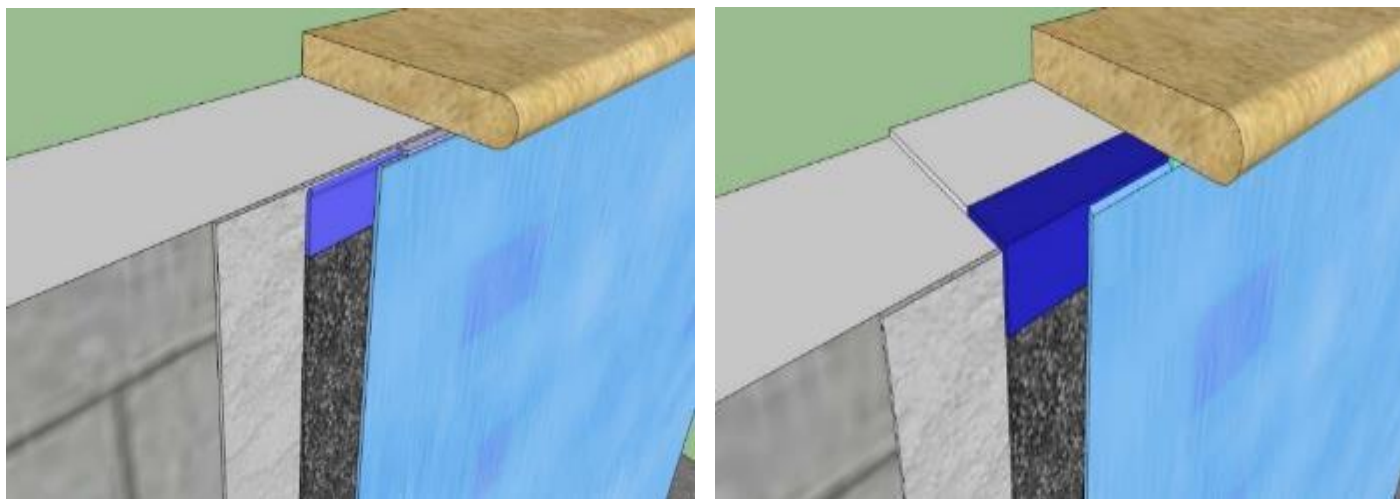
Stage 5: Fleece material installation (optional)



- It is recommended to reschedule this operation in case of strong wind
- Make the calculation and cuts of the different needed parts
- The geotextile material must be handled on a clean surface
- The geotextile material must not exceed the edges of the pool
- This material should be installed edge to edge (without margin of overlap)
- Stick this material, with glue lines be applied on the structure of the pool

Stage 6: Welding membrane to walls

Option 1 Installation using Co-Laminated metal strips



- Pre-install the metal strips of co-laminated material around the edge of the pool using stainless steel pop rivets

Co-laminated metal stripe 2000X50mm reference: C000008

- It is possible to choose between using a flat or angled material. We sell sheets of 1000X2000mm co laminated material from which this type of angles can be made

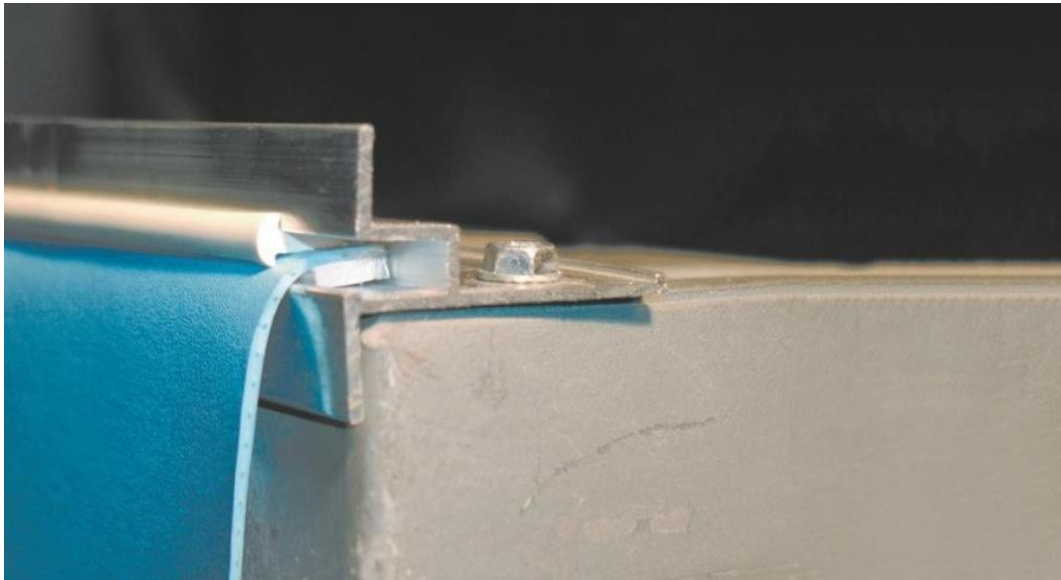
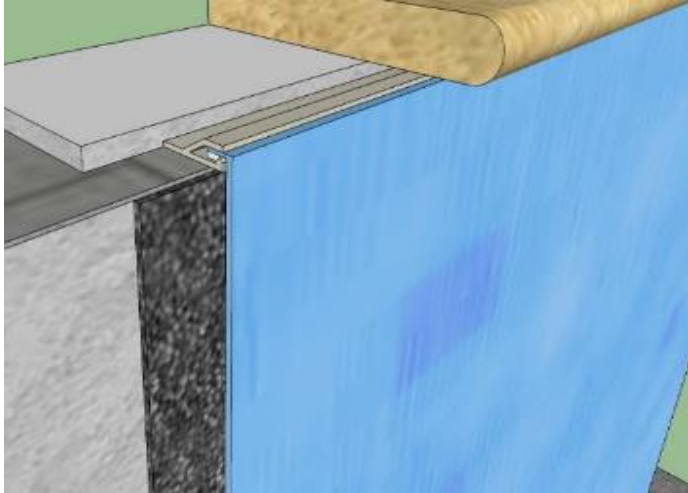
Co-laminated metal sheet 1000X2000mm reference: C000004

- Make the welding of the membrane to this material
- You can optionally add Vinicol contact glue to the back of the membrane to help support the weight of the membrane during installation

Vinicol glue reference: C000001

Stage 6: Welding membrane to walls

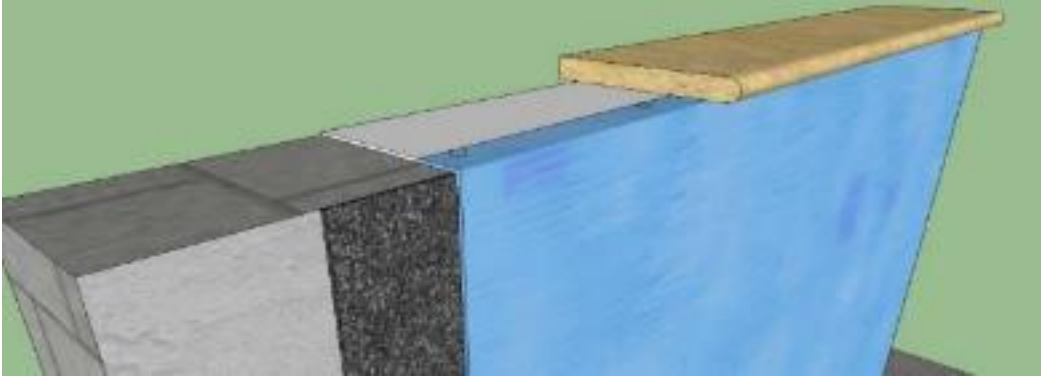
Option 2 Installation using Hung profile



- Install the Hung profile on the upper edge of the pool using screws. This profile will be under the decorative crockery
- Make a weld of the 9mm strip on the edge of the membrane. This strip must be welded with a specific nozzle for the Leister
9mm bead reference: C000002
- Insert the membrane inside the Hung profile

Stage 6: Welding membrane to walls

Option 3 Installation using stainless steel pop rivets

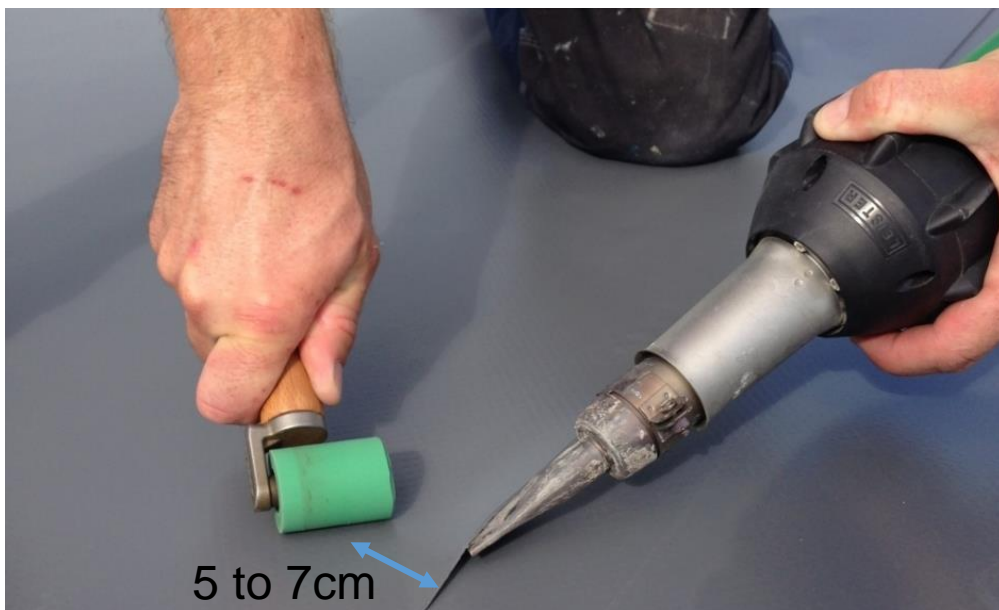


- This type of wall installation is done by making holes in the concrete and inserting stainless steel rivets to fix the membrane to the wall

Stage 7: Vertical welding of walls



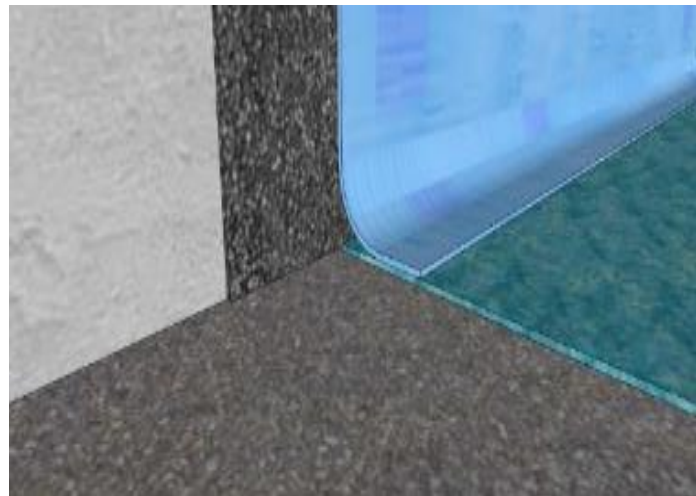
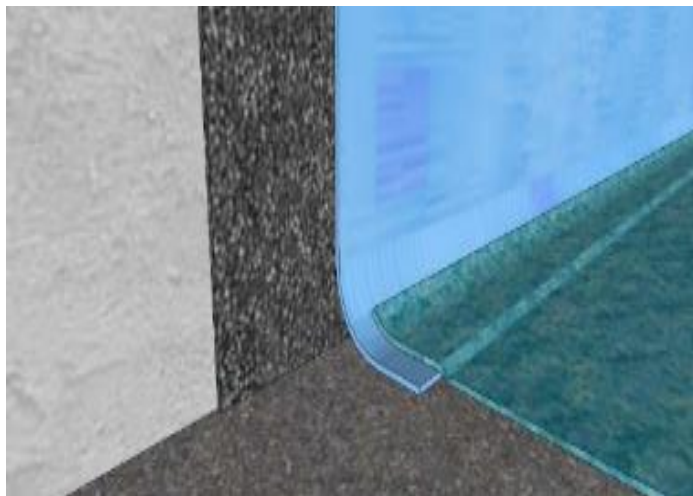
- Perform hot air welding with the help of a Leister on the vertical edges of the walls
- This welding should be done on a surface of 5 to 7 cm



Stage 8: Floor welding



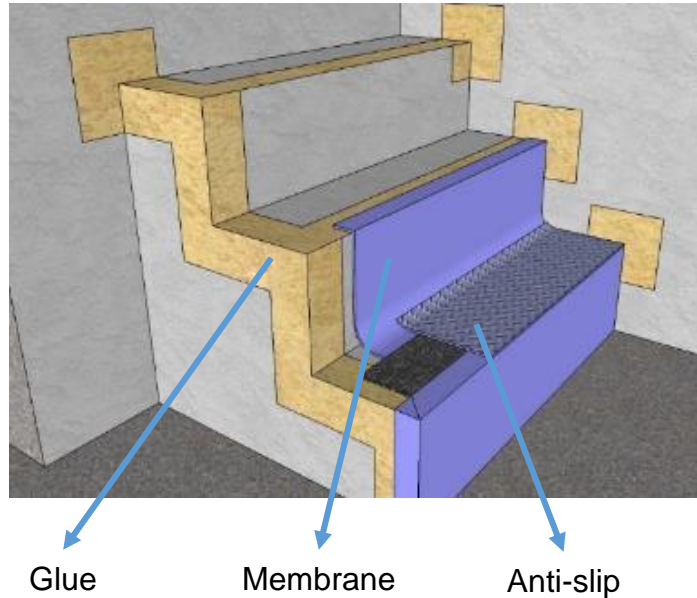
- Place the membrane that will cover the floor in its place and proceed to the welding of this sheets with the membrane of walls
- Perform welding of material on the ground to one another
- This welding must be done on a surface of at least 10 cm



- When welding membrane in the floor with the membrane in walls, one can freely choose which of the membranes to put over the other, the same choice must be repeated in all the welds that are made

Stage 9: Membrane installation on stairs

Option 1 Using Vinicol contact glue

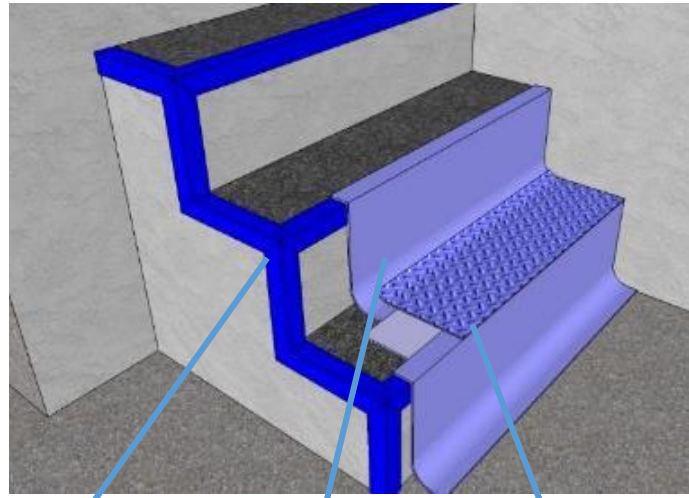


- Apply contact glue to the edges of each step and position each piece of membrane on them
- Weld each membrane sheet to the edge of the surface where the contact adhesive was applied and then weld them together and to the walls
- Apply the anti slip material on the top of each step and make welding of each piece

Vinicol glue reference: C000001

Stage 9: Membrane installation on stairs

Option 2 Installation using Co-Laminated metal angles



Co-laminated
material

Membrane

Anti-slip

- Screw angles of co-laminated material to the edges of each step and position each piece of membrane on them
- Weld each sheet to the co-laminated material and then weld them together and to the walls
- Apply the anti slip material on the top of each step and make welding of each piece
- We sell sheets of 1000X2000mm co-laminated material from which you can make this type of angles

Co-laminated metal sheet 1000X2000mm reference: C000004

Stage 10: Liquid PVC application



- Apply liquid PVC in all areas where a weld was made to reduce the relief of the superposition of the membranes and to give greater sealing to the weld

Stage 11: Installation of the parts to be sealed



- The installation of the parts to be sealed is done during the filling of the pool.
- Cut the membrane where drainage channels will be made



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