

# Liner Swimming Pool Installation Guide for New Build Pools

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Please read all notes, installation graphics, pictures and video above prior to ordering materials.

## *Material thicknesses for So-Soft insulation finish:*

Swimming pool liner is laid directly onto Thermapool insulation. So-Soft is only advisable for domestic pools using pre tailored liners. So-Soft gives the swimming pool a softer carpet feel, but you may be able to see joints in the insulation or where the fixings are.

75mm Thermapool Insulation Board.

Total thickness 75mm

## *Material thicknesses for insulation and render finish:*

This gives the insulation a solid uniformed hard finish recommended for schools or for on-site lined swimming pools.

75mm Thermapool Insulation Board

4.5mm Thermapool Render and mesh

Total thickness 80mm

Recommend number of fixings:

8 fixings per insulation sheet

Fixings should be installed 70mm in from the edges and spaced evenly, more fixings may be required if the boards do not sit flat onto the pool structure.

## *Bonding the insulation*

Bonding is only required if the structure of the pool is not sound enough to take a mechanical screw fixing, bonding materials are extra.

If bonding Thermapool Insulation, use Thermapool Insulation Adhesive on both the swimming pool structure and the back of the Thermapool Insulation Board, pushing them firmly together to achieve a 100% adhesive bed.

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Assemble the stainless steel fixings by placing the washer over the screw and then screwing the raw plug on the end by two threads.

Starting at the top of the pool wall below the liner lock with insulation wedge. Drill through the insulation into the swimming pool structure, using a 7mm diameter drill that is able to drill a depth of 120mm

Push and hammer the fixing through the insulation board into the pool structure. Then tighten the screw so the screw head and washer is sunk into the insulation by approximately 5-10mm.

The boards joints should be slightly staggered, to lessen the visibility of the joints.

The wall insulation is taken down to the floor. The floor insulation butts up against the wall insulation, to avoid trapping any water passing behind the liner.

Cover the fixing holes and any gaps in the boards with the Thermapool Insulation Render.

If a rendered finish is required Thermapool Insulation Render and mesh can be applied to the insulation to give a hard uniform surface finish. The Thermapool insulation render should be mixed with water to the same consistency as plaster coat. The render should be applied to the insulation surface, with the aim of achieving a 4-5mm coat. At this stage the mesh is laid on top of the wet render and a steel trowel used to push it just under the surface, leveling and smoothing the render as you go.

All mesh joints should overlap by 100mm making sure there is render mix between the two pieces of mesh. Trowel to a final smooth finish once the render has slightly hardened using a clean damp steel trowel.

Once the render has cured normally two to three days, install the new swimming pool liner, ensuring that the liner is vacuumed back into the chamfered insulation panels to avoid any liner creases or wrinkles.

Everyone building a new outdoor swimming pool or when renovating an indoor or outdoor swimming pool which includes replacing the swimming pool liner, is entitled to a Swimming Pool Insulation Grant.