



*What you can expect from a
Barrier Reef Leisure Pool
Quality Installation*

Apart from receiving a professional installation by our courteous staff and contractors, the following points need to be made:

EXCAVATION

- Once an excavation date has been set, we will require access to your property for our staff and machinery including excavators / backhoes, tip trucks, dingo digger / bobcat etc.
- During the installation, machinery noise is to be expected.
- As per the vehicles travelling to and from the pool location, some vehicle tracks or disturbance to grassed areas etc. may occur, as these vehicles are quite heavy.
- Please check your contract to see what alterations are required to your yard as required for gaining access to the pool site. This may or may not include the disassembly of fences.
- Our team and sub-contracting teams will need access to the site during the construction period, which usually takes about 2 weeks (weather pending) in total, i.e. – pets will need to be considered and/or secured.
- Our team and sub-contractors may require the permission to use your power outlets (with our leads) and also water taps etc.
- If access is tight, or the pool is close to a garden etc., some minor damage may occur to plants etc. All due care and consideration will be exercised during construction of your new pool as we totally respect your private property and home.

- A crusher dust base will be prepared at the bottom of the pool hole ready for pool insertion. This base is measured and accurately prepared as per the required final pool height.

POOL INSERTION

- The pool will be inserted by a Crane. (usually a Franna) This crane will also need to have access to the pool site. (unless otherwise mentioned in your contract)
- Sometimes a larger crane is required in which case an extended pool lift will occur. If a larger crane is required, it will position itself in an ideal position and extend stabilizers out before the pool is lifted.
- The pool will be carefully lifted into position and a level check carried out. The pool may not be exactly level at this point, however final levelling of the pool top will be made during the backfill process.
- All efforts will be made to get the final pool height as per clients requirements, however as per the difficulties of installing fibreglass pools, there may or may not be some minor differences to this final pool height. To give you an idea of the difficulties in achieving this final pool height, Australian standards allow a +70mm and –40mm difference in final pool height than that desired from the datum point. We will however, endure to achieve a much less difference than these Australian Standards allow.
- The skimmer box, pool returns and any other lights and spa accessories will be added soon after the pool is in position.

INSERTION OF BACKFILL MATERIAL

- A significant amount of backfill material is required to be inserted around the pool (usually 4mm crusher dust) Under normal conditions, we use our tip trucks to deliver this crusher dust as close to the pool as possible. In some cases, if allowance has been made, a dingo or small bobcat will be commissioned if this is not possible.
- As the backfill material is usually crusher dust, there will be remains or evidence of this material surrounding the pool edge. The site will, however, be left in a tidy state.

- As part of a normal installation, a significant amount of crusher-dust will reside **inside** the pool during construction. This is normal and will be vacuumed out and the pool cleaned prior to final handover.
- As part of the pool fill, the water usually comes from council fire hydrants. This water is mostly quite dirty and not clear as some people might expect.
- As part of the backfill process, the level of water inside the pool is required to be raised at the same rate as the backfill.

POOL PLUMBING

- Underground trenches are necessary for pool plumbing and piping. All trenches will be filled in and levelled however; no allowance will be made for the replacement of turf, etc. (unless otherwise specified in your contract)
- At least 2 x pipes will be placed from the pool to the filtration position. Many more pipes are required should a SPA blower and or SPA jets, solar heating provision, water fall provision, underwater lights or Swim Jets etc. be installed.
- In most cases, an aggregate 'aggy' pipe will be installed around the outside of the fibreglass pool (under ground) to aid in the disbursement of any future underlying water that should find itself around the pool. This 'aggy' pipe will need to be trenched to a location so that it is exposed to the atmosphere at a height lower than the final water level of the pool. Usually this will be plumbed to the lowest point in the vicinity of the pool. In some cases (in low lying areas) significant trenching may be required to achieve this 'aggy' pipe being lower than the pool water level.
- Technically, it is not necessarily required that all pipes need to be plumbed back to the filtration position. (This is usually the case though) i.e. The light can be trenched to a different location so that the transformer is mounted near an alternative power outlet. Please discuss these alternatives with Barrier Reef Leisure Pool staff.

CONCRETE BOND-BEAM (REQUIRED)

- As per structural requirements, a concrete bond-beam is constructed surrounding the pool in which we usually cut, lay and grout high quality clay pavers. This bond-beam is for structural reasons and is re-enforced with steel, which is tied into the pool perimeter.
- There will usually be a very slight grade to the top of this bond-beam falling away from the pool edge.
- The width of the bond-beam is usually determined by the paving / Coping that is to be added at a later stage. (usually by us as per contract)
- Various pipes may be protruding through this bond beam. These usually consist of an aggregate 'aggy' pipe (or large PVC) and/or SPA controls and buttons.
- The 'aggy' pipe (or large PVC) pipe is installed for the purpose of the ability to 'pump-out' any underlying water that may find itself surround the pool during extreme wet conditions.
- Under normal conditions, you will never need to do any pumping etc., however the provision is there if needed.
- At the paving stage, a chrome grate will be placed in the coping.
- All of the other SPA buttons and controls will also have tops on them and will be mounted neatly in the brick coping. These do however protrude a little higher than the level of the brick coping.
- An important note is that the outsides of this bond-beam may be visible. (ie if the pool is installed slightly out of the ground) This outside surface of the bond-beam has not been designed to be aesthetically pleasing.
- We allow an overhang of the copers/pavers both on the internal edge of the pool (for looks) and on the back edge of the bond-beam. This allows you to extend your paving either at the same level as the pool or to drop the future paving level down approx. 45mm below the pool coping and slide this future paving under the back of our pool coping. This allows for a neat finish for future paving as no cuts are seen. We usually try to allow an **average of 20mm overhang** of these **copers** over the back of the bond-beam.
- No allowance has been made in the pool installation contract for any rendering etc. of the back of the bond-beam.

FILTRATION HOOK-UP

- Our professional filtration team will be installing the filtration and carrying out a pre-handover vacuum of your new pool.
- All of the start-up chemicals will be added at this stage including pool salt.
- The pool water will usually take a couple of days to clear up enough to see the pool bottom.
- Please note, as mentioned earlier, a significant amount of crusher dust will be residing on the floor (and steps) of the pool. This is normal and will be vacuumed out by our pool technician.
- Usually a couple of vacuums are necessary to remove all of this backfill material from the pool. It shouldn't take too long to get the pool water looking nice and clean.

COPING (POOL SURROUND)

- Under normal contract conditions, we have included a couple of rows of clay brick coping surrounding your pool. (see contract)
- Usually about 1 week after the filtration is connected, our paving contractors will make a start on this pool surround. They will contact you prior to starting.
- As per previous, these contractors will require a power outlet (own lead is supplied) for the operation of their brick cutting saw etc.
- This saw is quite noisy and will be in operation for at least 1 full day (sometimes 2 days)
- The use of a water tap will also be required (own hose is supplied) for the block saw operation. As a result of this, much water will reside around the location of the saw. Depending on the site, the ground might get a little sloppy.
- Completion of the brick coping (including grouting) usually takes between 1 and 3 days. (depending on weather etc)
- The bricks are affixed to the bond-beam with rubber modified tile glue and to the top of the fibreglass pool with silicone.

- The grout is a mixture of sand and cement with quantities of bond-crete added.
- Where the bricks (coping) meet the front of the pool edge, grout will be inserted. It may take a couple of days (sometimes weeks) for the lime to stop slowly weeping out of the grout. This doesn't always occur, but if it does it is not a problem. We will acid clean the bricks and these weep lines at the time of handover. Eventually this will stop.

POOL HANDOVER

- You will be contacted when the pool is ready for handover and a time will be arranged for a professional demonstration of the operation of your new pool.
- You will be shown the complete operation of your pool and filtration as well as a demonstration of vacuuming the pool.
- A final pool water test will be carried out and the water balance and salt levels will be adjusted.
- Your new pool is now ready for swimming and we wish you much enjoyment for you and your family.
- Should you require on-going pool servicing and/or vacuuming we offer complete pool service contracts between Gordonvale and Palm Cove.