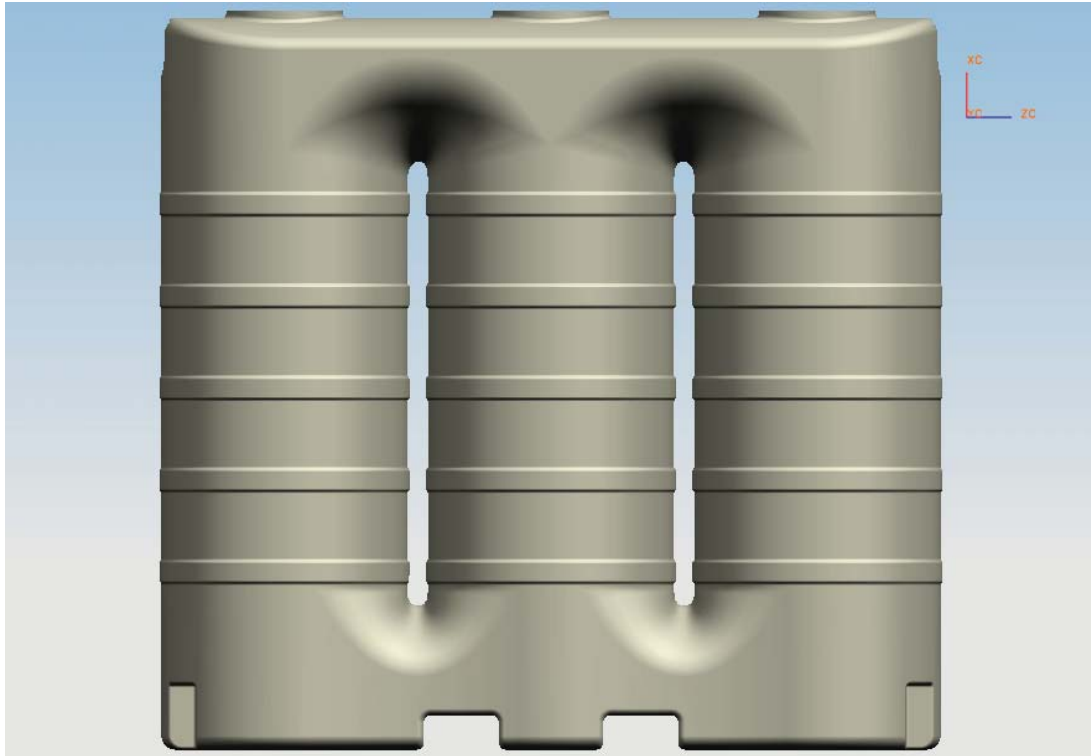


## Rainwater Tank Warranty & Installation Guide For K-2 Slimline Model



*“The grass is indeed greener this side of the fence”*

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This Installation Guide is provided as a guide to self installation of your new Kerrimuir rainwater tank. We strongly recommend you use a licensed plumber/tradesman for a professional installation that will have your rainwater tank service you for years. It is regulation that connections to your laundry and toilets be installed by such a tradesman. You can install it for general water usage i.e. watering your garden, washing your vehicle, topping up your pool etc.

Please note the onus is on you to consult your local shire or council, water authority or any other bodies that enforces rules and regulations pertaining to rainwater tank location and installation.

## Important: Legal Disclaimer

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You install the water tank and accessories entirely at your own risk and you will not hold us liable for any lost, direct or/and secondary damages that may occur in the course of self installation.

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## Location of the rainwater tank

Kerrimuir Rainwater Tanks are designed with 3 inlets for maximum rainwater harvesting. Therefore, it is suggested that you place the tank where you can divert and access as many downpipes as possible.

As a general rule the bigger the roof surface the more water you harvest but more importantly the amount of downpipe/s diverting water into you rainwater tank.

Once you have the best location for your tank checking;

- The height of the tank to the eave.
- The location of your stormwater pipe.
- The location of your power outlet for your pump.

Then arrange to have the base prepared.

**Use a tape measure to ensure the height of the tank is below the eave of your house which is at 2160mm. Allow enough space for the inlet pipe/s by allowing margin for angling the inflow pipe/s.**

It is recommended that you have a solid base for your tank. Weigh out the cost difference between a paver base and a concrete base. Best results are obtained from a concrete base.

It is common for most houses to have concrete pavement running along the boundary of the house. Use a spirit level to check suitable it is to just place the tank on top of it. It is very important that the location is level.

### Accessories that comes with each Kerrimuir Tank

- 1 x 300mm leaf strainer
- 1 x 90mm PVC overflow elbow
- 8 X Self tapping screws
- This manual

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## Preparing the Concrete Base

Take these steps to prepare the concrete base using wood planks to mould the base. The area should be 2700mm long x 1115mm wide. It should be at least 100mm high.

### Tools checklist;

- Tape measure
- Spirit leveller
- Stakes to hold the boxing in place
- Saw/Circular Saw
- Hammer
- Shovel
- Screed or just a length of wood for levelling concrete
- Drill and 25mm spade bit
- (Concreting Tool)
- Ladder

### Materials you will need;

- Silicon sealant
- PVC glue or plastic cement
- Lengths of timber 100mm high x 20mm wide to make boxing frame for the base
- Concrete Mix or Builders Sand for Paved Footing
- Wire mesh for concrete base reinforcement 2400mm x 815mm
- 4 x 50mm Steel Nails
- 2 x 25 kg bags of gravel
- Concrete Mix
- Teflon Tape

### Extra Accessories you may need

- Pump
- Ball Valve
- Extra Leaf Strainer

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### Cut to length;

- 1 length of timber 2740mm long
- 2 lengths of timber 1115mm long
- Nail the timber together, 2 on each side
- Since most tanks will be against the wall of the house, we can use the boxing frame as a template for the area to be excavated.
- Mark out the area to be excavated and level the area at least 60-75mm deep, leaving an exposed height of 25-40mm when completed.
- Level the ground as much as possible then position the boxing frame, checking that it is level on all 3 sides.
- Recheck the height from the ground to the eave for the piping. Then drive down the stakes on the outside of the frame.
- We highly recommend you order the concrete mix from your local Mini Mix. Will save you time and take the guesswork off how much to mix. Tell them the size of the concrete pad you need to lay.
- Alternatively if you still wish to mix it yourself. Read the instruction on your concrete mix on how much water to add to the mix. Add water and mix till it's consistent. Best to do this on a wheelbarrow, which you can wash off quickly afterwards.
- Shovel some mix into the for corners of the boxing and one in the middle and then place the wire mesh on top, adjusting the mesh so it's sitting middle of the boxing. The shovel some more mixes till it's the desired height, flush with the boxing timber.
- Use the screed to level the soft mix and leave it to cure and harden for 3 days.
- Remove the boxing frame by knocking out the longer length at the protruding edge.
- Your concrete base is done! Give it 3 whole days at least for the base to dry and cure. Then place your tank on the base.

**Please Note that the Water Tank is very heavy. It requires at least 2 people to move and position into place. Use straps to go through the forklift pockets for better grip and handling. If you are not able to do this confidently, please ask or hire help. Always look after your own wellbeing.**

### Installing the leaf strainer

- Place the 300mm leaf strainer on the inlet. Position it then screw it down with the 4 self tapping screws provided. Do not glue the strainer as you will need to remove the strainer for cleaning.
- Ensure there are no spaces between the strainer and the tank. If there is, run a bead of silicon around the gap to ensure insects etc cannot enter the tank.

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## Piping and connections

- Install the 90mm PVC elbow to the overflow outlet. Run a bead of silicon around the edge that connects to the tank and secure it with the screws provided.
- Check where the stormwater pipe is and measure the length. Get the 90mm PVC pipe length required for the horizontal and vertical pipes
- Measure the length of pipes required from the flange of your downpipe to the tank. Try to have the straightest line possible to the inlet. Buy the PVC pipes a little bit longer just in case you made some miscalculations. Always remember the carpenter's rule, measure twice, cut once.
- Remove the existing downpipe. You may have to drill away a rivet that holds it in place at the flange.
- Then cut the flange to size so the adaptor fits.
- Cut the pipes to the required length and join them together without gluing them first to make sure you have the correct length.
- Attach brackets onto the wall. Fasten the pipe to the wall. Drill holes and secure brackets to the wall loosely.
- Join the lengths of pipes using the PVC cement or glue and secure to the wall.

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## Installing the overflow

- Now join the 90mm stormwater piping from the elbow bend at the top of the water tank to the bottom, running the horizontal length to the stormwater pipe. If the position is correct, glue the pipe joints.

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## Installing a pump

### Submissible/Internal Pump

The instructions for fitting a submissible pump are as follows;

- Put the pump on the top of the unopened inlet and draw the outline of the bottom part of the pump and cut a hole using a jigsaw.
- Join the outlet of the pump to a 25mm PVC pipe.
- Ensure the float is free to move. Use a zip tie to adjust the height of the float.
- Slowly lower it to the base of the tank and have it in position.

### External Pump with a Ball Valve

Your local retail store should be able to advise you on the best pump for your needs. We strongly recommend submissible pumps.

- Firstly you will need to fit a ball valve to the tank. From this, you can fit your pump or for replacing the pump, you can turn off the water from the tank while doing so.
- Use a spade drill and carefully drill out the plastic from the 25mm outlet. Take extra care not to drill away the threading.
- Roll some Teflon tape to the thread till it looks as if it will tighten and seal.
- Hand screw it in until just tight enough. If it is in the wrong position, take it out and retape the thread and hand fasten it once more.

**This must be hand tightened. Do not use tools to tighten.**

Then;

- Use some Teflon tape on the thread of the connection pipe to ensure water tightness. Use just enough Teflon tape to do the job.
- The pipe should be able to screw in using your hand until tight.
- Then use a small spanner to tighten it just enough. **Do not over tighten. This may damage the tank.**

**Please note that Kerrimuir will not warrant any damage of outlets due to over tightening.**

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## Fitting a tap

- Once you have fitted the pump, get a T junction connector and fit one side to a copper piping to connect that to a tap, securing it to the wall beside the tank. Note: Pressure cleaners require pressure to work. It will not work without water pressure.
- Leave the other side plugged unless you want to run it to another connection.

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## Installing Aftermarket Accessories

There are many accessories that would compliment your tank, should you require;

- Extra Leaf Strainers
- A water gauge/meter
- First flush systems
- Rain heads
- Mains/tank water interchange devices such as;
  - Onga Waterswitch
- Pump Covers for external pumps

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## Maintaining your tank

It not only advisable but regulation in some states in Australia to clean your tank every 2 years to remove sludge or other sediment/debris builds up inside your tank. Your new tank with 3 inlets lets you clean out each drum with a pressure cleaner, a mop and submissible pump.

To minimize maintenance of your tank and to supply you with the best water quality possible, it's always a good idea to periodically clean;

- your leaf strainer/s
- house gutters

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