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Installation of Avalon Freestanding shower to concrete.

The installer will need to supply the following:

4 x 125mm lengths of 10mm Stainless Steel threaded rod 12 x 10mm stainless steel nuts and washers.

Chemset adhesive or equivalent.

For fixing to a concrete slab that is going to be tiled, THE SHOWER MUST BE INSTALLED AND CONNECTED TO WATER SUPPLY BEFORE TILING. For fixing to a polished slab, please contact us for advice.

Installation steps for fixing to concrete. Refer to images below.

1. Using a normal thread sealing tape or compound, attach both the tap standpipe and the shower standpipe to the stainless steel base. There should be no play or movement whatsoever between the two threads. Do NOT cut the bottom of the brass threads after assembling. Note that the threads on the baseplate are sharp and gloves should be used for handling.

2. Place the shower in position on the concrete, with the two standpipes oriented as required. In terms of depth, you will require 60mm between the underside of tile (or any other finishing material for the surrounding ground) and the concrete slab to ensure the baseplate of the shower is completely concealed . If a loose substrate, such as pebbles is being used for the surrounding ground, ensure the baseplate and brass thread are installed low enough to be concealed by the finishing material. In either case, it may be necessary to remove (or chase) the concrete.

3. With the shower oriented in the required direction, mark the outside holes on the stainless steel baseplate on the concrete and drill 12mm holes to a depth of 50-60mm.

4. Attach the 4 pieces of threaded rod to the base plate using nuts and washers as if they are the four legs of a table, with the maximum amount of rod protruding below the baseplate. Two nuts and two washers per thread are required on the underside of the baseplate to set and fix the height of the baseplate.

5. Without using adhesive, place the shower, with the four pieces of threaded rod in their respective holes in the concrete. Set the height of the base plate (using the nuts and washers) so that there is a minimum of 35mm between the concrete and the underside of the stainless steel. The shower can also be levelled using these nuts and washers

6. Remove the shower and baseplate from the holes and using three 15mm copper elbows, extend the hot and cold supply pipes and the outlet pipe to the shower, such that they stick out horizontally from the underside of the stainless steel baseplate. These pipes should be at least 200mm proud of the baseplate and with the shower in position, will end up being horizontal and

positioned between the concrete and the underside of the stainless steel.

7. Using the threaded elbow supplied, extend the inlet of the shower pipe so as it is also 200mm proud of the baseplate.

8. Using construction adhesive, fix the shower into the 12mm holes as per the instructions for the adhesive (Chemset or equivalent recommended). Once the adhesive has cured, level the shower with the nuts and washers and make final plumbing connections to the site hot and cold water supply. Connect the outlet of the tap standpipe to the inlet of the shower standpipe, as per fig. 1.

9. Test all connections before finishing trades commence. The void on the underside of the baseplate can be grouted if preferred.

Fig1. Image of underside of baseplate with correct pipework connections.

Installation of Avalon freestanding shower in a timber deck.

Installation must be carried out by a licensed plumber.

The installer will need to supply the following:

4 x 125mm lengths of 10mm Stainless Steel threaded rod 16 x 10mm stainless steel nuts and washers.

Installation steps for fixing to timber deck.

1. Using a normal thread sealing tape or compound, attach both the tap standpipe and the shower standpipe to the stainless steel base. There should be no play or movement whatsoever between the two threads. Do NOT cut the bottom of the brass threads after assembling. Note that the threads on the baseplate are sharp and gloves should be used for handling.

2. Place the shower in position on the deck. When locating the shower, bear in mind the following: The base of the two standpipes pipe should be over two decking boards such that when refitting the decking boards, a board can be slid in from either side of the already installed shower. Enough clearance from timber joists is also required for the 200mm baseplate, under the deck.

3. Install sufficient timber blocking between the two joists at the location of the shower, to support the shower without any movement.

4. With the shower in position and oriented in the required direction, mark the outside holes on the stainless steel baseplate on the timber blocking and drill 12mm holes all the way through the blocking.

5. Attach the 4 pieces of threaded rod to the base plate using nuts and washers as if they are the four legs of a table, with the maximum amount of rod protruding below the baseplate (Fig 2). Two nuts and two washers are required for each thread on the underside of the baseplate. This is to support the baseplate approx. 35mm above the timber block.

6. Place the shower, with the four pieces of threaded rod in their respective holes in the timber. Set the height of the base plate (using the nuts and washers) so that the shower is level and there is a minimum of 35mm between the timber blocking and the underside of the stainless steel.

7. Remove the shower and baseplate from the holes and using two 15mm copper elbows, extend the hot and cold shower pipes, such that they stick out horizontally from the underside of the stainless steel baseplate (Fig 1.). These two pipes should be at least 200mm proud of the baseplate and when the shower is in position, will end up being horizontal and positioned between the concrete and the underside of the stainless steel. Using the threaded elbow supplied, extend the inlet for the shower pipe so as it is also clear of the baseplate (Fig 2)

8. Bolt the shower into position, using nuts and washers on the underside of the timber block. Level the shower with the nuts and washers between the baseplate and the timber block and make final plumbing connections to the site hot and cold water supply. Connect the outlet of the tap standpipe to the inlet of the shower standpipe.

Alternative method of connection for timber deck installation.

If there is enough access under the deck, all the plumbing connections can be made below the supporting timber block. This will require a 90mm hole (for the tap standpipe) and a 50mm hole (for the shower standpipe) in the timber blocking under the baseplate. All pipework then passes through these holes for connections to be made at the lower level.