

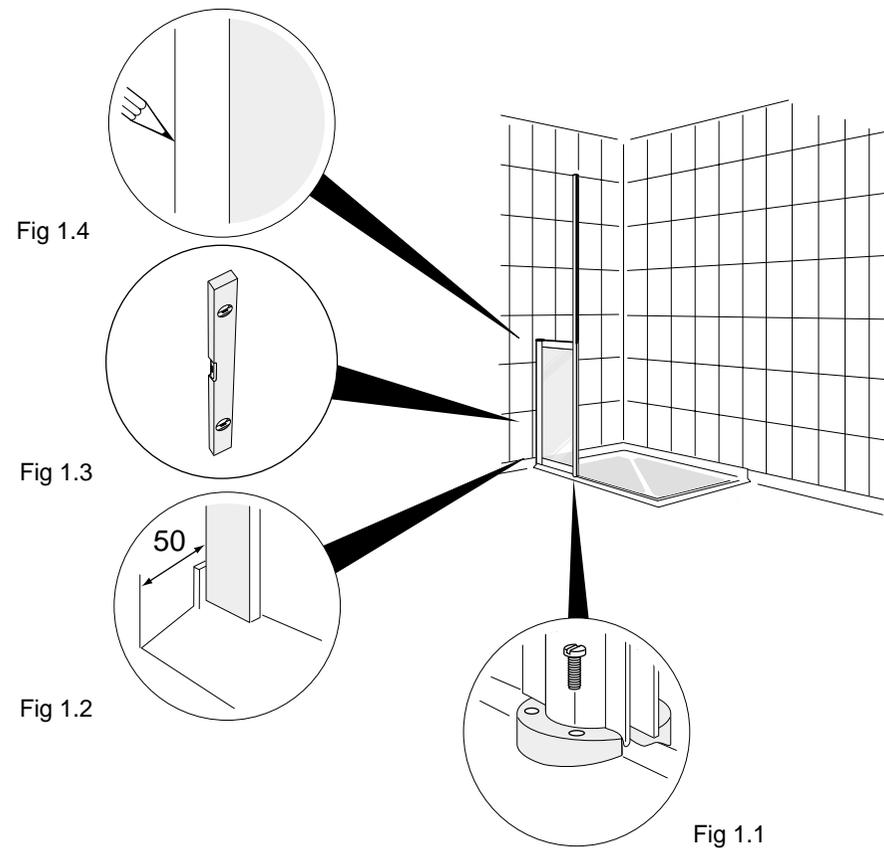
6 easy steps to fit a ... Cardale MK2 Shower Enclosure

1. Marking the wall

Place Cardale jamb with full height pole onto side of tray, as in Fig 1.1

Position jamb approximately 50mm from the edge, as Fig 1.2 Make sure it is vertical as Fig 1.3. Mark the wall alongside the wall channel, as Fig 1.4

Ensure bottom fixing plate with holes facing outwards is in position as Fig 1.1.

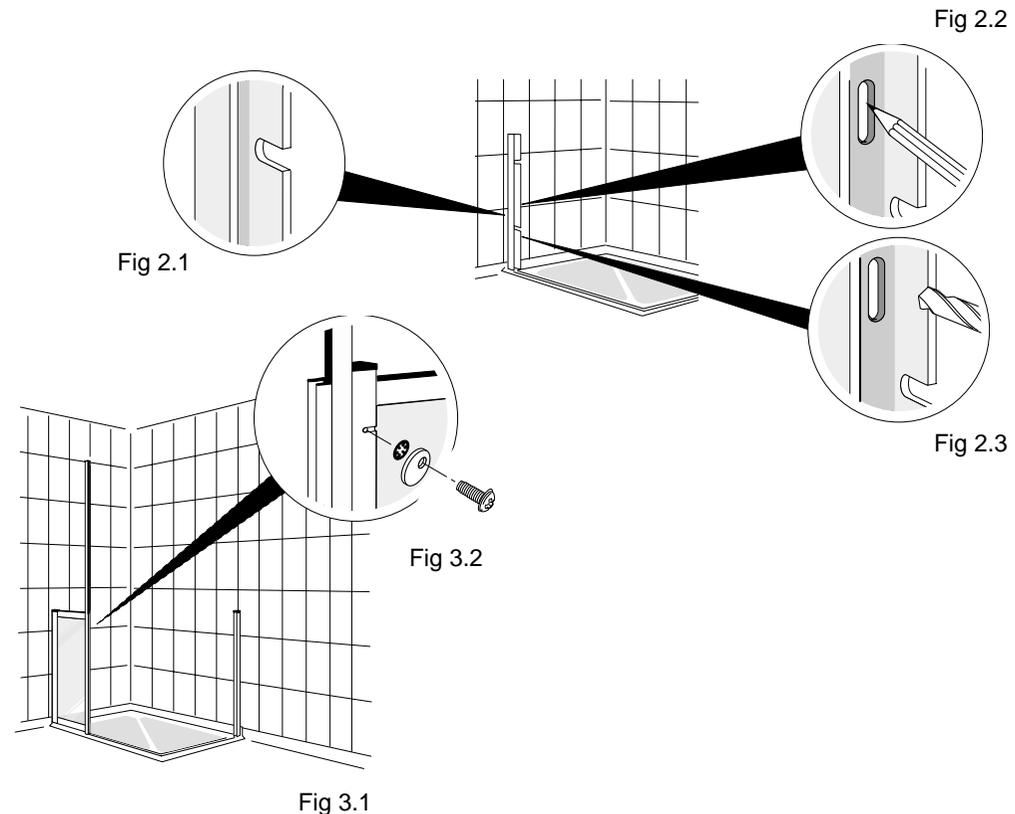


2. Drilling the wall and fixing jamb panel

Remove channel from jamb and place on wall as Fig 2.1. Using a pencil mark through the slots and drill the wall 50mm deep (2") using a 5.5mm drill, as Fig 2.2 & 2.3. Apply a film of silicone sealant to the inside edge of the wall channel.

Secure to wall with wall plugs and 1 1/2" x No 8 screws.

Push panel into wall channel. Fasten loosely with self tapping screws, slot covers and shakeproof washers provided. Repeat with pole section ensuring fixing plate is in position. Check panel is level horizontally and vertically. Screws are fully tightened later. The pole fixing plate is also screwed in position later.

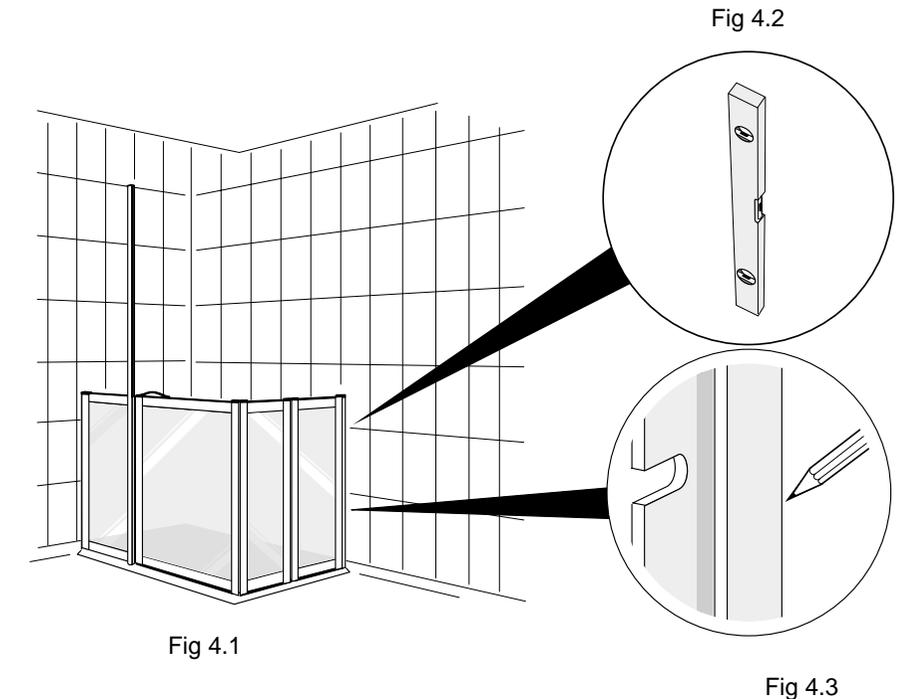


3. Positioning tri-fold door

Place the tri-fold door onto the tray in its fully closed position ensuring the bottom seal is in contact with the tray, as Fig 4.1.

Ensure the wall channel is flat against the wall and is to the extreme left of the tray slot. This is for a left hand tray. It is on the right for a right hand tray.

Check the wall channel is vertical, as Fig 4.2 and mark the wall alongside the channel, as Fig 4.3



4. Fixing tri-fold door

Remove the tri-fold doors from the tray and and slide off the wall channel. The slots on the wall channel should be facing into the shower area as shown in Fig 4.3. Using a pencil mark through the slots and drill the wall 50mm deep (2") using a 5.5mm drill. Apply a film of silicone sealant to the inside edge of the wall channel and secure to wall.

Replace tri-fold doors, as Fig 5.1. Fasten loosely with self tapping screws, slot covers and shakeproof washers provided. Check magnetic strips are in contact with each other. Adjust doors to open and close correctly, ensuring the bottom seal is in contact with the tray.

When satisfied that doors are correctly adjusted, fully tighten all screws, slot covers and shakeproof washers, as Fig 5.1. Drill and fix pole fixing plate to tray with cheesehead screws provided as Figs 6.2/6.3. Make sure screws are on the outside of the tray, as Fig 6.3.

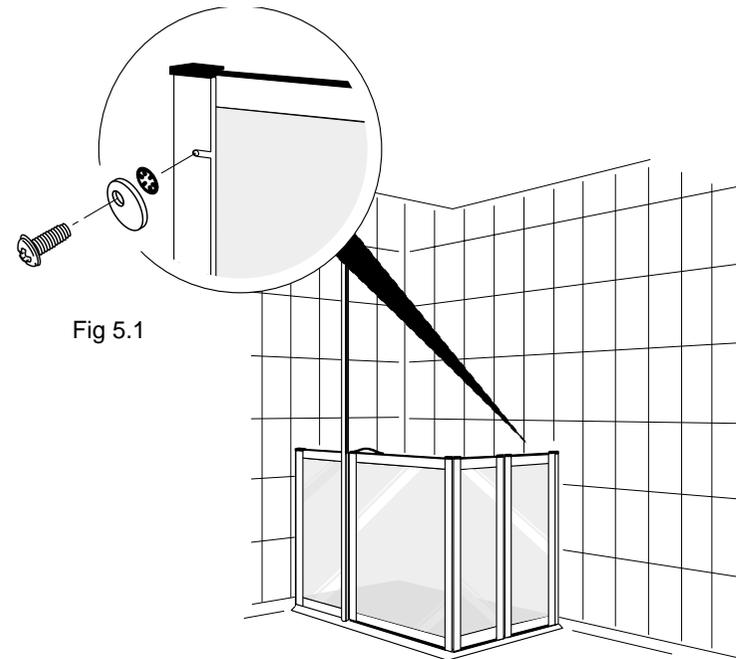


Fig 5.1

5. Fit the end caps

Fit end caps as shown in Fig 6.1. Note: On final fixing black end caps need to be secured in position using silicone sealant. Fit pole cover strips, as Fig 6.4.

Fig 6.1

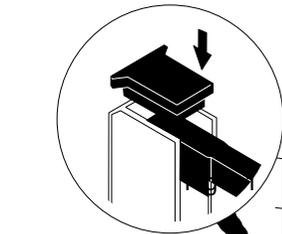


Fig 6.4

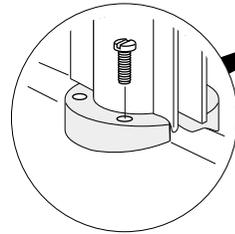
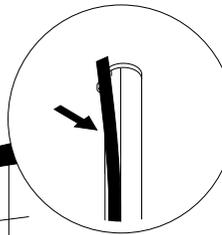


Fig 6.3

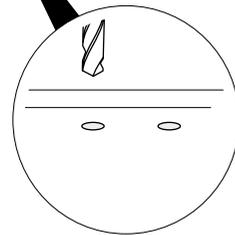


Fig 6.2

6. Fit curtain rail brackets and curtain

Position curtain rail at height to connect to bracket at top of grab pole. Check level & mark walls for fixing wall brackets, as Fig 7.1. Drill wall with 5.5mm drill to a depth of 2" (50mm). Fix curtain rail brackets to wall with plugs and 1 1/2" x No 8 screws, as Fig 7.2. Load hooks and glides into bottom channel of curtain rail. Place 1 M5 nut in top channel of curtain rail as Fig 8.1. Attach to brackets and tighten with the allen key provided, as Fig 7.3.

Check pole is vertical. Using M5 X 10mm stainless steel screw attach to curtain rail with nut already in place, as Fig 8.1. Using 3/4" x 6's stainless steel screws secure pole bracket to top of pole rail, as Fig 8.2. Attach shower curtain to hooks on rail, as Fig 7.4.

Fig 7.1

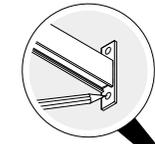


Fig 7.2

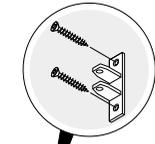


Fig 7.3

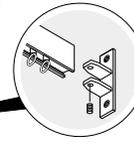


Fig 8.2



Fig 8.1

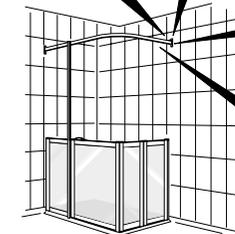
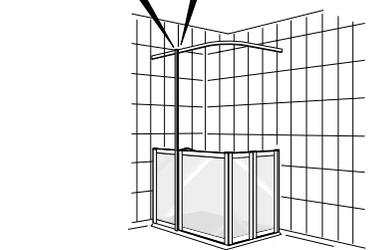


Fig 7.4



If you require additional help

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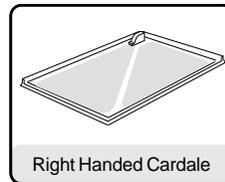
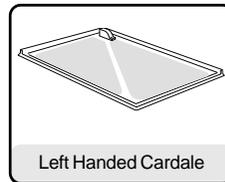
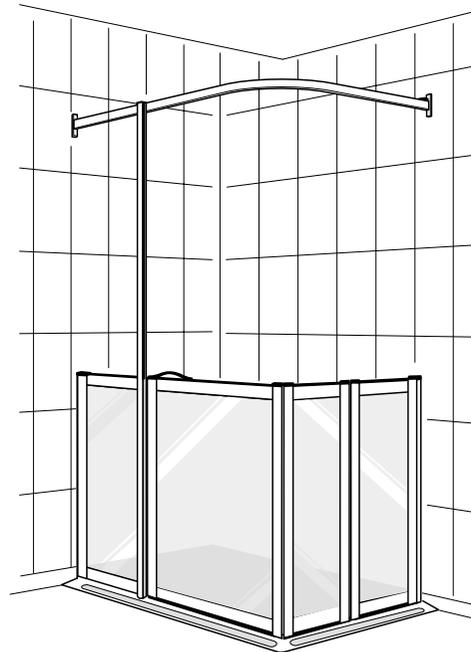
Cardale MK2 Tray & Enclosure Installation Guide for stud partitioning



Installation Notes:

These fitting instructions are for fitting the tray to a tiled in installation. If fitting pre-fabricated panels read these instructions in conjunction with the pre-fabricated panel fitting guide and remember the tray should be positioned 40mm from the wall as shown in Fig 2.5 and once panels are in place fix the edge down as Fig 6.2. Please note: steps 3, 4 & 8 are not required when wall panels are being used.

The waste should always be accessible and a removable inspection cover should be provided to allow access to pipework. Please consult client regarding position/height of shower mixer valve/heater. During assembly protect shower base from scuffing by using cardboard packaging. Determine position of shower mixer valve/heater and install inlet water and /or electrical services.



9 easy steps to fit a ... Cardale MK2 Level Ac

1. Waste Plumbing

To accommodate the pipework it is necessary to construct a stud wall to conceal the waste pipe to stack, outlet hose and supply wire from the pump. The waste should always be accessible and a removable inspection cover should be provided to allow access to pipework.

The Chiltern Invadex tray has a 12 volt pump positioned at the rear corner of the tray. It pumps the waste water out of the tray

to a waste stack similar to that used by a washing machine. The waste stack need only be 40mm (1 1/2") plastic pipe with a fitted trap in it, before it goes out into main stack.

The grey waste hose must not be cut any longer than 610mm (24") in total length, as in Fig 1.1. This is only an example of an installation. Position of pipework will vary according to individual situations.

Stud wall constructed to conceal pipework (right hand tray illustrated, opposite for left hand).

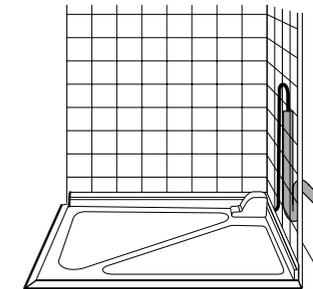
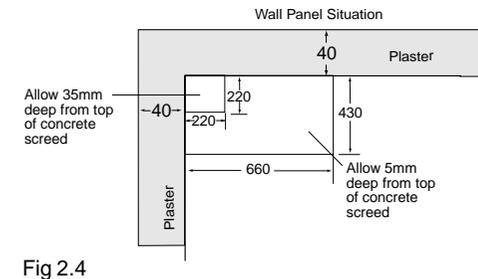
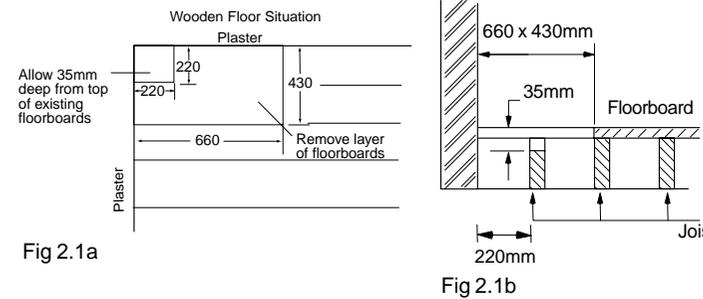


Fig 1.1

2a. Floor removal

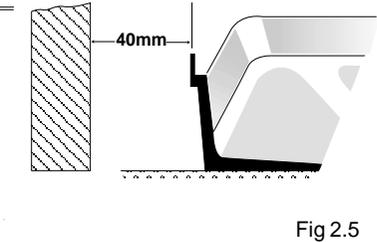
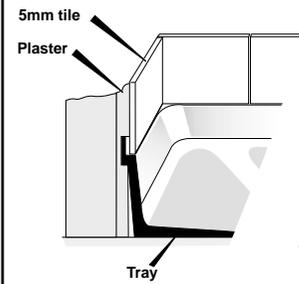
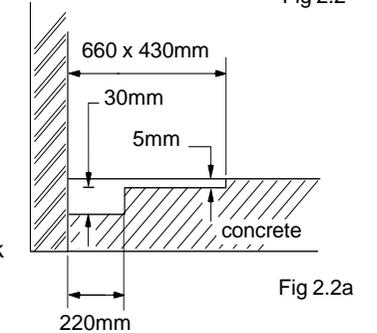
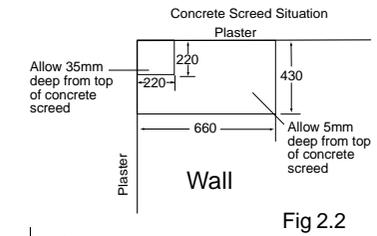
Tile/Floorboard Situation
From face of plaster remove floorboards to an area of 660mm x 430mm. Again from face of plaster remove an area 220mm x 220mm to a total depth of 35mm (1 3/4"). See Figs 2.1a, 2.1b and 2.3



2b. Floor removal

Tile/Concrete Floor Situation
When fitting the tray into a concrete screed the cut-out sizes are the same as in a floorboard situation. NOTE: There is a 5mm step to be taken into consideration. See Fig 2.2, 2.2a, 2.4.

Wall Panel Situation
NOTE: When using wall panels, the hole cut-out needs to be 40mm from face of plaster, then mark out as Fig 2.1b and 2.4.



3. Marking the plaster

Place the shower tray into the corner and ensure that the shower base is level along its width and length,

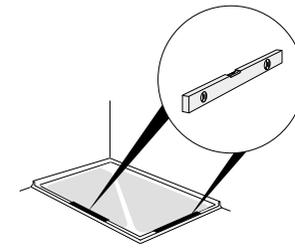


Fig 3.1

4. Removing the plaster

Remove the shower tray from the wall and remove the plaster below the mark to a depth suitable to take the tiling lip, see Fig 4.1.

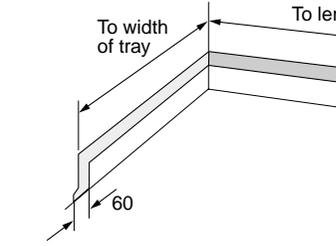


Fig 4.1

ess Shower Tray

5. Checking level

as Fig 3.1. Mark plaster above tiling lip, as Fig 3.2 and door recess point.

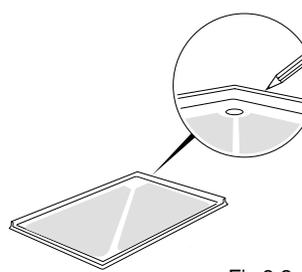
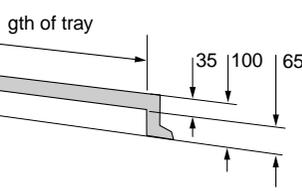


Fig 3.2

6. Drilling lip

This will vary according to thickness of tile to be used. Remove a small area of plaster to fit door recess point to a depth of 10mm.



5. Checking level

Replace the shower tray in position. Check the flat surface around the showering area is level (see Fig 5.1). Insert packing strips if required strip of plywood under the tray edges to ensure water flows into pump well.

doors locate must also be checked to ensure it is level, as Fig 5.1.

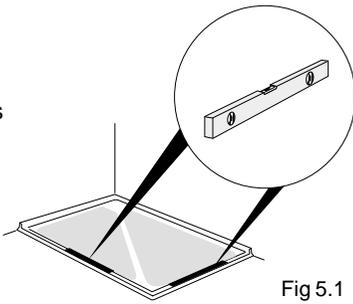


Fig 5.1

NOTE: The area where the

6. Drilling lip

Drill the tiling lip at the points shown in Fig 6.1 using a 4.5mm drill. Countersink holes, plug wall and screw to wall using

1 1/2" no 8 slotted stainless steel screws, not applicable for trays with panels. Secure the tray to the floor as shown in Fig 6.2, checking the tray is level before final fixing.

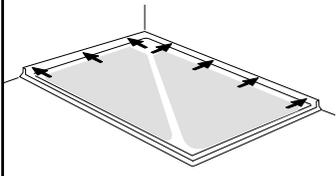


Fig 6.1

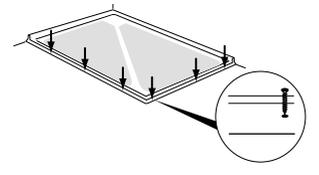


Fig 6.2

Insert packing strips to level if required.

7. Before tiling

Ensure that pump waste hose is connected to waste outlet. The pump connecting wire should also be in place.

8. Fixing tray to the floor

Mitre aluminium edging strip as Fig 6.3. Using a hacksaw. NOTE: Aluminium strip must butt up to edge of tray as shown in Fig 6.4. Drill and countersink front edge of tray and aluminium edging strip as Figs 6.5 and 6.6. White cover strip should be fitted after floor covering has been laid. Check to make sure the tray is level before final fixing.

Apply a bead of mastic to tray edge and edging strip as shown in Fig 7.1. Finally, knock the plastic trim cover into place, taking care to lock the components together, as Fig 7.1.

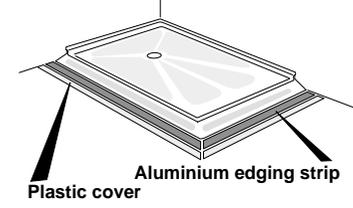


Fig 6.3

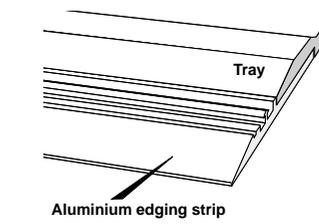


Fig 6.4

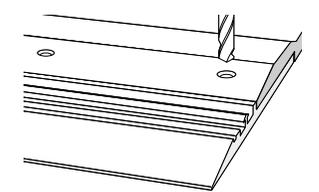


Fig 6.5

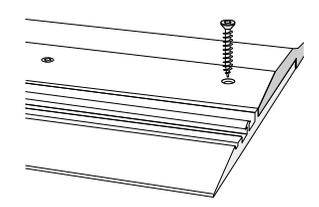


Fig 6.6

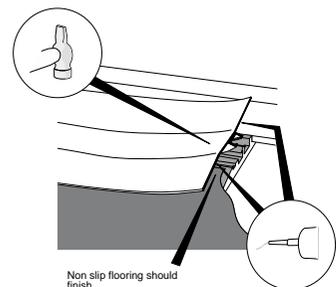


Fig 7.1

Make good plaster work. Tile down to the angle of the tiling lip using waterproof adhesive and grout. Anti-slip flooring should finish over the aluminium edging strip as Fig 7.1.

IMPORTANT NOTE: Before proceeding further ensure area has been totally cleaned of grout. Do not use the pump to clean debris away. Before tiling Ensure the pump waste hose is connected to waste outlet. The pump connecting wire should also be in place.

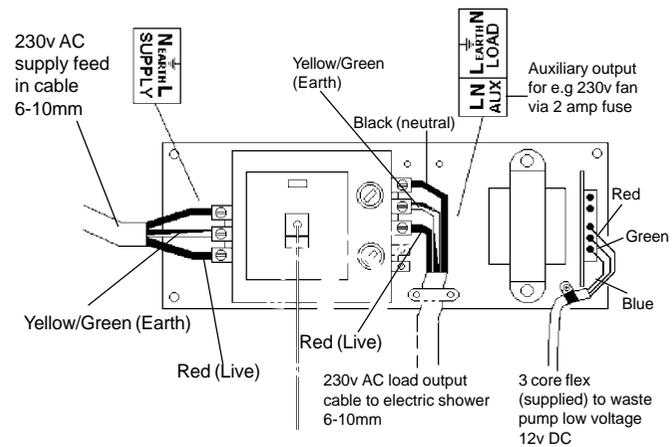
9. Installing the pump

The 12v waste pump can be connected to the lead and plug in the rear corner of the unit. The pump is pushed into the base socket. Check to make sure the cable has not become trapped whilst inserting the pump.

Electrical Installation

Shower and pumped waste
The correct wiring installation for the electric shower and pumped waste is shown right. Please pay particular attention to the wire sizes.

Note: For mixer showers load output cable is not required.



Electrical Supply- General Advice

All installations must comply with I.E.E. regulations, Local Authority bylaws and electricity board regulations and must be carried out only by a qualified electrician. Follow manufacturers instructions for installation of the electric shower heater unit and for all other electrical units to be fitted.

Suggested Wiring Method

Run a suitable cable (6-10mm sq for electric showers depending on power rating and supply distance) from the consumer box via a suitable RCD to the double pole ceiling pull switch in the wiring block supplied. (This switch is used to isolate the shower as well as turning the shower waste pump on and off and must be accessible to a wheelchair user where applicable). The wiring block is positioned at a maximum of 4m from the pump unit and complies with all mentioned regulations. Follow connection instructions included with wiring block to complete electrical supply.