

Installation Instructions

DucoStone and DucoLite Shower Trays



Before you Start



Please read these instructions fully in conjunction with all other installation instructions such as enclosures, waste units or easy-plumb kits before starting.

Although these instructions are simple and comprehensive, we always recommend that a technically competent installer undertakes the installation.

Your shower tray has been manufactured to the highest quality standards. However, to ensure that you have received the correct product in the condition you expect, please undertake the following five basic preinstallation checks. **DO NOT INSTALL IF NOT SATISFIED and contact your supplier.**

- 1/ Check that the shower tray received is the correct size and shape required.
- 2/ Check that the shower tray is compatible with your chosen enclosure.
- 3/ Check that the shower tray is the correct colour and finish required.
- 4/ Check for any damages or marks on the surfaces.
- 5/ Once acclimatised, place the shower tray in a suitable area, level and pour water over the total area of the tray and check for adequate drainage.

Note! Installation is acceptance of quality.



Installation Methods:

Your shower tray **MUST** be installed in accordance with these instructions. These instructions relate to floor installation and the Suspended Floor section must also be applied if constructing a raised plinth.



Alternatively easy-plumb type kits can be used with this type of shower tray for raised installation. However, the correct Panel Riser Kit for your shower tray **MUST** be used in conjunction with a Baseboard Accessory Kit as follows:



Note! Follow the instructions supplied with the relevant Panel Riser Kit and the Baseboard Accessory Kit.

Panel Riser Kit Option 01 for Square, Rectangles and Pentangles up to 1200mm.

Panel Riser Kit Option 02 for Square, Rectangles and Pentangles up to 2000mm.

Panel Riser Kit Option 03 for Quads and Off-Set Quads up to 1200mm x 1000mm.

Panel Riser Kit Option 04 for Off-Set Quads up to 1400mm x 900mm.

Note! We do not accept responsibility for any loss or damage resulting from failure to comply with installation instructions.



Technical Help

Technical Service Line: 01684 293311 Open Mon–Fri 9am–5pm



Dimensions are nominal and shown in millimeters unless otherwise stated.

Important:

Your shower tray **MUST** be stored in accordance with the labelling instructions attached to the outer packaging.

Once unpacked, place the shower tray flat in a warm room and permit it to acclimatise, this will enable any storage distortions to correct itself.

If you intend to install in conjunction with a steam unit, you **MUST** ensure that the steam outlet is at a minimum of 350mm from the top of the tray.

When handling your shower tray take care not to damage the bottom edges and when installing / tiling and finishing take particular care to protect the visible surfaces from impact or abrasion damages.

Safety Notes:

Care **MUST** be taken when using sharp tools or when using power tools and ensure these are used safely in accordance with all regulations.

Care **MUST** be taken when drilling or excavating into walls or floors to avoid hidden pipes or electrical cables.

Appropriate PPE **MUST** be used at all times.

Care & Use of Your Shower Tray:

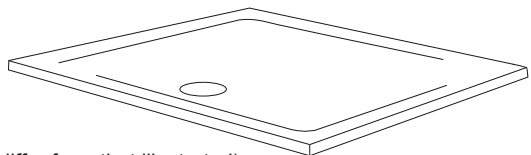
To assist the end user, these installation instructions MUST be retained and passed to the user for possible future reference.

Your shower tray can be easily maintained in an as near new condition for many years by following a simple cleaning procedure as follows:

It is normal for localized amounts of water to be retained on the shower tray surfaces after use due to surface tension on smooth and especially Anti-Slip trays. This **MUST** be wiped dry immediately after use to prevent the build-up of sediments that could water mark the surface of both white and coloured shower trays.

The shower tray should be cleaned regularly with warm soapy water only and dried with a soft cloth. Never, use scourers, abrasives, bleach or other chemical cleaners as these can damage and discolour the surface.

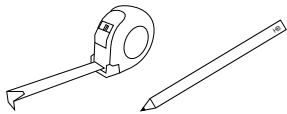
Parts Supplied



A Shower Tray (Shape and style of tray may differ from that illustrated)

Qty 1

Tools and Materials Required (not supplied)



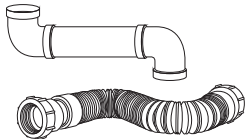
Tape Measure and Pencil



Spirit Level



Safety Eyewear and Dust Mask



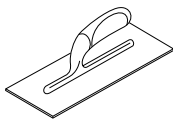
Plumbing Pipe and Fittings



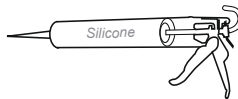
90mm Hi-flow Waste Unit



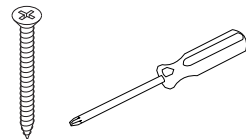
Compound or Contact Adhesive



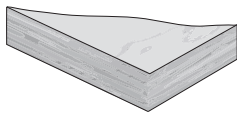
Trowel



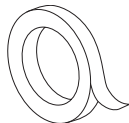
Silicone Sealant



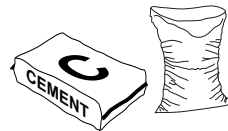
Floor Screws and Screwdriver



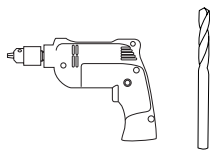
Plywood Board (min 18mm thick)



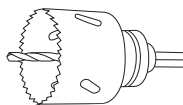
Masking Tape



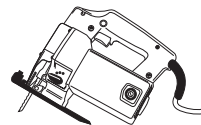
Cement and Fine Sand



Power Drill & Drill Bits



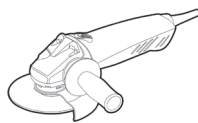
Hole Cutter



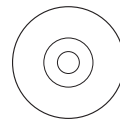
Jigsaw



60 Grit Sand Paper



Angle Grinder



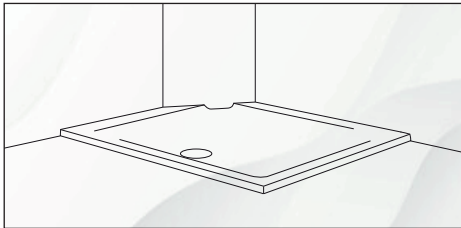
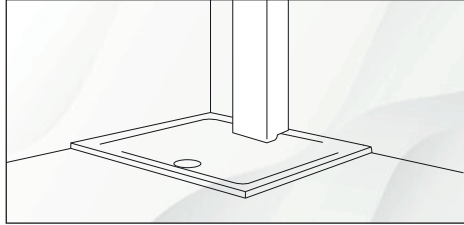
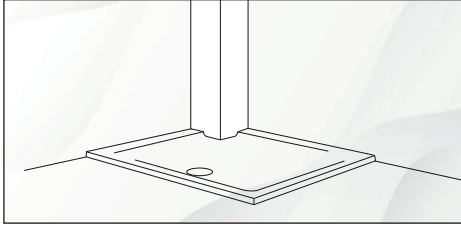
4in/102mm or larger fine edge diamond grinder blade (suitable for cutting stone)

Note! Other tools and materials may be needed depending on the specific site requirements.

Cutting the Shower Tray

Your unique DucoStone or DucoLite shower tray offers the idea solution to many modern bathroom obstructions and dimensional limitations by enabling rapid adaptation to almost all situations.

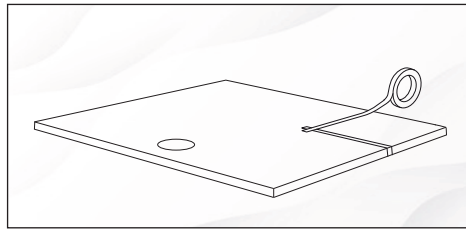
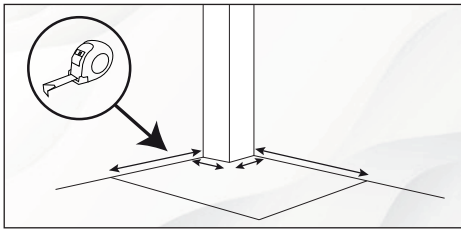
Note! The shower tray can be trimmed / cut to a wide variety of dimensions and shapes consequently the following illustrations only show a small sample of the large number of the possible variations.



Note! Your shower tray can also be used, after trimming/cutting, with a Panel Riser Kit however it MUST be used in conjunction with a Baseboard Accessory kit.

1

2



Carefully measure the available area for your intended shower tray.

Note! Ensure the outer tray dimensions remain suitable for your intended enclosure taking into account the reduced area that will result after any trimming or cutting of the shower tray.

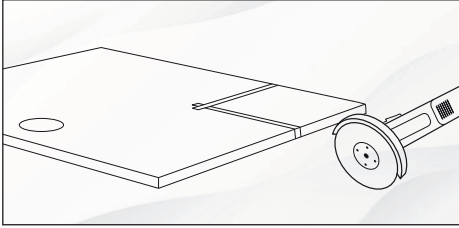
With the shower tray upside down, mark the lines to be cut on the back of the tray using masking tape or other suitable marking method.

Note! Double check the area marked on the back face of the shower tray is correct when the tray is upright in-situ. DO NOT PROCEED IF NOT SATISFIED.

CAUTION! Before proceeding use safety eyewear and clothing at all times.

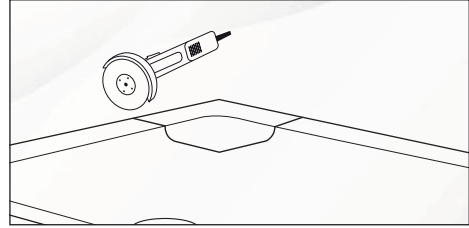
Cutting the Shower Tray

3



Carefully cut the marked area from the shower tray using a minimum of a four inch (approx 102mm) diamond blade (suitable for cutting stone) on an angle grinder or other suitable cutting tool.

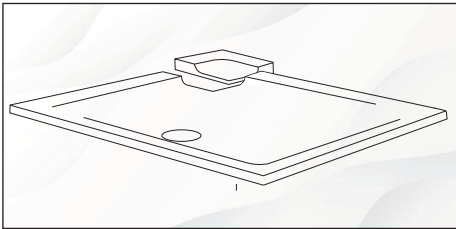
4



It may be necessary to turn the shower tray over to obtain a through cut on the thicker section of the periphery of the tray, depending on the size of the blade being used.

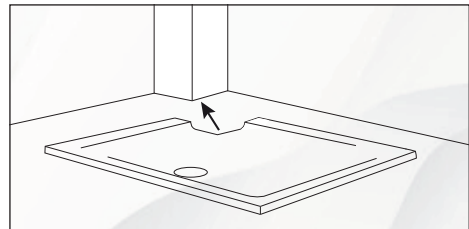
Note! Do not force the rate of cutting and only cut at the speed of the cutter to avoid separation of the tray layers.

5



Taking care not to damage the visible surface, carefully remove any loose material and tidy the cut edge using 60 Grit (or similar grade) sand paper.

6



Test fit the shower tray in-situ making any further adjustments as necessary to ensure a snug fit.

Note! It is normal for the tray to appear elastic when undertaking a dry test fitting.

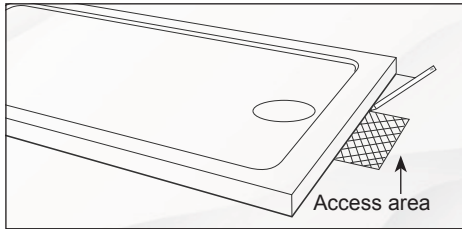
Once you are satisfied, complete the installation by following the procedure for solid or suspended floors as appropriate.

DO NOT PROCEED IF NOT SATISFIED.

Note! If using a Panel Riser Kit and Baseboard Accessory pack is used for a raised installation, refer to both instructions supplied with the kits.

Installation – Solid Floor

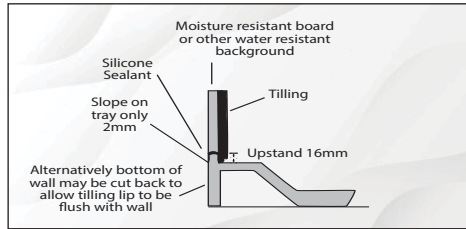
1



Place the shower tray (A) carefully on the intended floor area ensuring that the surface is flat and level. Mark the perimeter and waste hole on the floor including a section outside the area for access to connect plumbing after fitting.

Note: It is normal for the tray to appear elastic when undertaking dry fits. Also take care to avoid marking the shower tray.

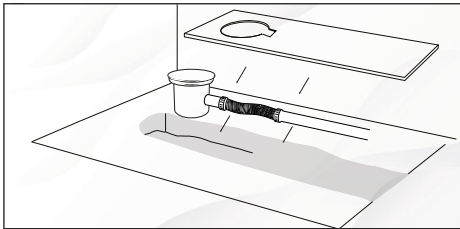
2



If using a shower tray with a built in tiling upstand, allowance **MUST** be made for recessing the tray into adjacent walls to allow tiling down onto the tray surface.

Note: Check that your chosen enclosure has sufficient adjustment to fit within the remaining area taking into account the loss of dimension from tiles/boarding.

3



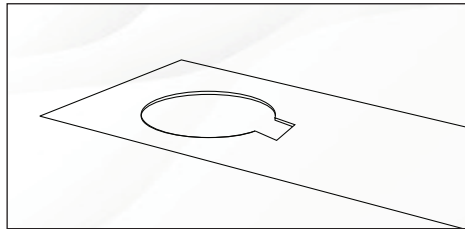
Form a trench in the floor to hold the waste unit and piping.

Before proceeding, dry fit all items in-situ to ensure compatibility.

Install the waste unit and piping in the trench in accordance with building regulations ensuring that sufficient drainage angle is achieved without the pipe sagging

Blank off the trench using 18mm ply with waste outlet hole, ensuring that the plumbing connections can be made once the shower tray is in position.

4

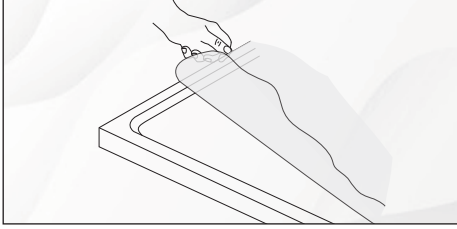


With some types of waste unit, it may be necessary to form a keyhole shaped cut-out in the ply using a jigsaw. This will make access to the waste unit easier during fitting.

Note: Keep all holes/cut-outs as small as possible

Installation – Solid Floor

5

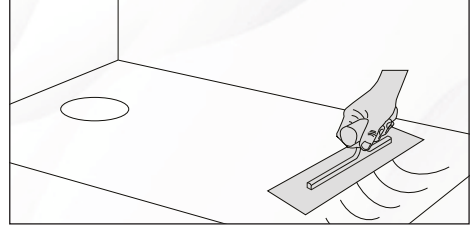


Some shower trays have a protective film (indicated by a label on the surface) which **MUST** now be removed. Undertake a final inspection of the shower tray at this stage: **DO NOT PROCEED IF NOT SATISFIED.**

Note: Extra care MUST now be taken to protect the surfaces from accidental damage.

If installing a flat top shower tray we recommend the use of the optional Flexi Seal Strip (Not supplied) at this stage. Follow instructions supplied with product.

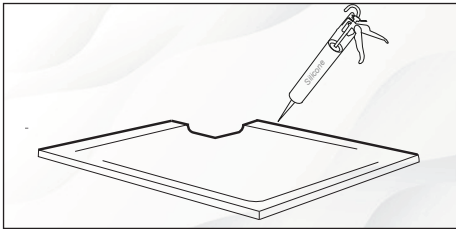
6



Use installation Compound adhesive or a suitable glue / contact adhesive in accordance with its instructions under the shower tray to ensure an even and effective bond to the level surface.

Note! Cement or a cement type tile adhesive or similar MUST NOT be used as a substitute for a suitable glue / adhesive

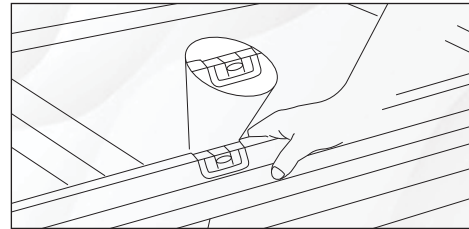
7



Before being fitted on the glue/adhesive, apply copious amounts of silicone to the edges of the shower tray (A) against all walls contact points.

Note: This is especially important on any edges of the tray that may have been trimmed/cut.

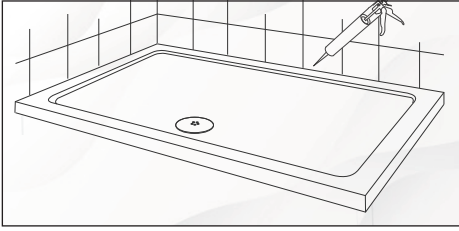
8



Place the shower tray (A) onto the wet glue / adhesive and weight the tray down ensuring the fitted tray is perfectly level on the top rims.

Note! Ensure the shower tray is fully stuck down making good contact with the surfaces. Do not proceed until the glue / adhesive is dry.

9

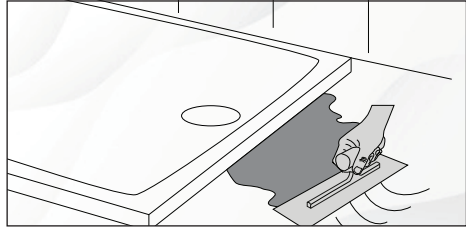


When the glue / adhesive has **FULLY** dried, make all plumbing connections. Before continuing the shower tray and all connections **MUST** now be checked for **water tightness, flow and adequate drainage** over the entire area.

DO NOT PROCEED IF NOT SATISFIED.

After all checks and adjustments, tile or board (please reference stage 2) and then seal along the tiling line with silicone sealant.

10

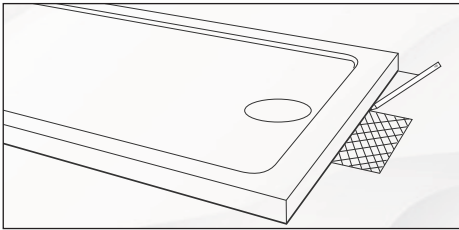


Fill the access area.

Take care to protect the surfaces of the shower tray and fit your chosen enclosure in accordance with its installation instructions

Installation – *Suspended Floor*

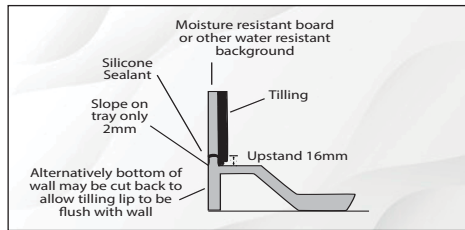
1



Place the shower tray (A) in position on the floor ensuring that the surface is flat and level. Mark the perimeter and waste hole on the floor including a section outside the area for access to connect plumbing after fitting.

Note: It is normal for the tray to appear elastic when undertaking dry fits. Also take care to avoid marking the shower tray.

2

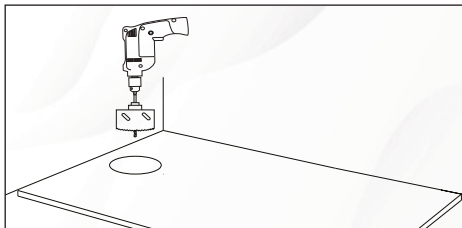


If using a shower tray with a built in tiling upstand, allowance **MUST** be made for recessing the tray into adjacent walls to allow tiling down onto the tray surface.

Note: Check that your chosen enclosure has sufficient adjustment to fit within the remaining area taking into account the loss of dimension from tiles/boarding.

Installation – *Suspended Floor*

3

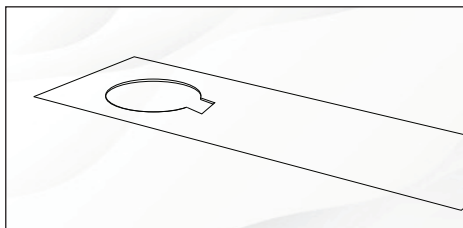


Mark the floor area (or larger) covered by the shower tray this **MUST** be removed and replaced with a single level piece of plywood (minimum 18mm thick). If it is unlevel, contains joints or is ridged.

Place the ply in position, ensuring the area is flat and level and rigid. With shower tray (A) placed on top mark the waste hole location.

Carefully remove the shower tray then use a suitable cutter to drill a hole in the floor/ply large enough to pass through the entire waste unit.

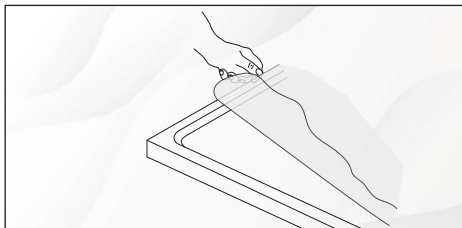
4



With some types of waste unit, it may be necessary to form a keyhole shaped cut-out in the ply using a jigsaw. This will make access to the waste unit easier during fitting.

Note: Keep all holes/cut-outs as small as possible.

5

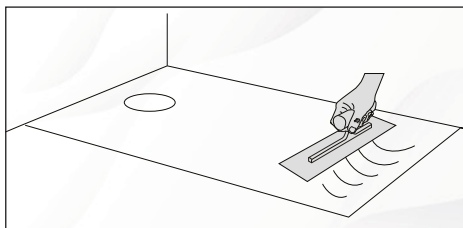


Some shower trays have a protective film (indicated by a label on the surface) which **MUST now be removed. Undertake a final inspection of the shower tray at this stage: **DO NOT PROCEED IF NOT SATISFIED.****

Note: Extra care **MUST now be taken to protect the surfaces from accidental damage.**

If installing a flat top shower tray we recommend the use of the optional Flexi Seal Strip (Not supplied) at this stage. Follow instructions supplied with product.

6

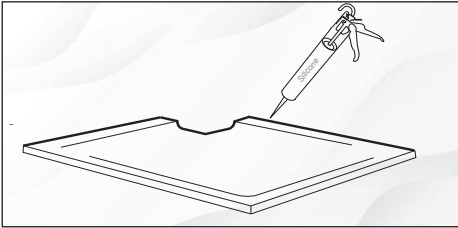


If applicable fix the ply level and rigidly in place and then use Installation Compound Adhesive or a suitable glue / contact adhesive in accordance with its instructions under the shower tray to ensure an even and effective bond to the level surface.

Note! Cement or a cement type tile adhesive or similar **MUST NOT be used as a substitute for a suitable glue / adhesive**

Installation – *Suspended Floor*

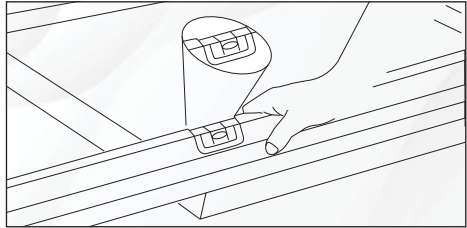
7



Before being fitted on the glue / adhesive, apply copious amounts of silicone to the edges of the shower tray (A) against all walls contact points.

Note! This is especially important on any edges of the tray that have been trimmed / cut.

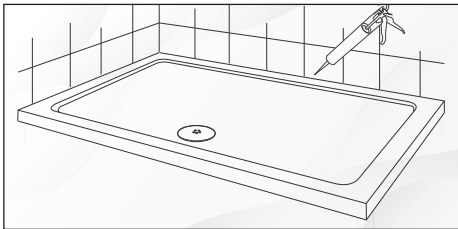
8



Place the shower tray (A) onto the wet glue / adhesive and weight the tray down ensuring the fitted tray is perfectly level on the top rims.

Note! Ensure the shower tray is fully stuck down making good contact with the surfaces. Do not proceed until the glue / adhesive is dry.

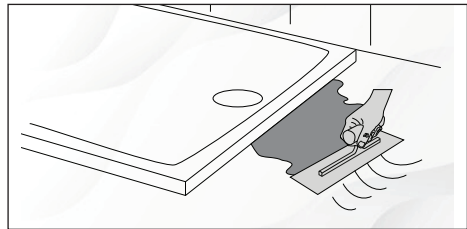
9



When the glue/adhesive has **FULLY** dried, make all plumbing connections. Before continuing the shower tray and all connections **MUST** now be checked for **water tightness, flow and adequate drainage** over the entire area. **DO NOT PROCEED IF NOT SATISFIED.**

After all checks and adjustments, tile or board (please reference stage 2) and then seal along the tiling line with silicone sealant.

10



Fully board the access area and level with cement if required.

Take care to protect the surfaces of the shower tray and fit your chosen enclosure in accordance with its installation instructions.



Troubleshooting

- Q** **The waste outlet in the shower tray is directly over an obstruction at floor level.**
- A Consider raising the shower tray on a plinth or using a Panel Riser Kit to avoid the obstruction.
- Q** **The shower tray will not fit the space available i.e. too large.**
- A Your shower tray can be easily trimmed to fit or if it is only a small difference, consider recessing the edge of the tray into adjoining walls or using a smaller shower tray and enclosure.
- Q** **The enclosure will not fit on the shower tray.**
- A Check that you have the correct size / shape of enclosure for your shower tray and its adjustment is sufficient to permit it to fit when taking into account the loss of dimension from tiles or boarding.
- Q** **On unpacking the shower tray it is not flat.**
- A This is generally normal, place the shower tray flat in a warm room and permit it to acclimatise, this should enable any storage distortions to correct itself. Note The process of acclimatisation can be accelerated by applying hot water to the surfaces if required.
- Q** **Water escapes / spills from a fitted Walk-in or frameless type enclosure.**
- A It is normal for spillage to occur from these types of enclosures but can be limited by using a threshold seal and a hinged splash panel. Alternatively change to a fully framed enclosure.
- Q** **Water will not flow fast enough down the waste unit.**
- A Check that the waste unit is correctly installed, and that the pipework has sufficient angle (Min 1 in 40) . Also check the pipework is not kinked, obstructed or sagging causing an airlock.
- Q** **There is excessive amounts of water retaining around the waste unit / outlet.**
- A Some types of waste units may have excessively thick or poorly angled flanges. for best results us an MX waste unit.
- Q** **There is water retaining on the surfaces of the shower tray in general.**
- A Check that the shower tray is level (stage 08) as it is normal for localized amounts of water to be retained on the shower tray surfaces after use due to surface tension.

Q My shower tray is slippery underfoot.

A When wet, the surface of the majority of shower trays will show an increase in the potential for slipping, this is particularly the case when soap, shampoo, bath oil, etc are used. Consider using Anti-Slip mats or change the shower tray to an Anti-Slip type.

Q I have a coloured and or an Anti-Slip shower tray will it mark or discolour.

A Your shower tray can be easily maintained in an as near new condition for many years by following a simple cleaning procedure as outlined in the 'Care & Use of Your Shower Tray' section of these instructions.

Q What is a suitable glue / adhesive.

A Contact your local DIY retailer and request an adhesive intended for sticking ABS (the plastic on the underside of the tray) to ply / concrete as applicable.

Q The illustration at stage 6 shows the adhesive being trowelled but I have a cartridge glue, how do I apply it and how much will I need.

A Apply a minimum of 5mm bead lines at 25mm centers across the width covering the full area. As a guide to coverage (will diverge in accordance with local application requirements and cartridge size) 1 380ml Tube = up to 900x Square, 2 Tubes up to 1200x Rectangle, 4x Tubes up to 2000x1000.

Q Do I have to use a Baseboard Accessory Kit with every size of tray when raised

A We recommend for best results to use a Baseboard Accessory Kit with all sizes but MUST be used on any cut / trimmed raised installation and sizes above 1000mm

Q I have purchased alternative legs for mounting the tray, can I use these instead of a Panel Riser Kit.

A We strongly recommend using a Panel Riser Kits leg system however, it may be possible to use sufficient numbers of an alternative leg system provided a Baseboard Accessory Kit is used in conjunction.

