

## End Waste - Installation Instructions

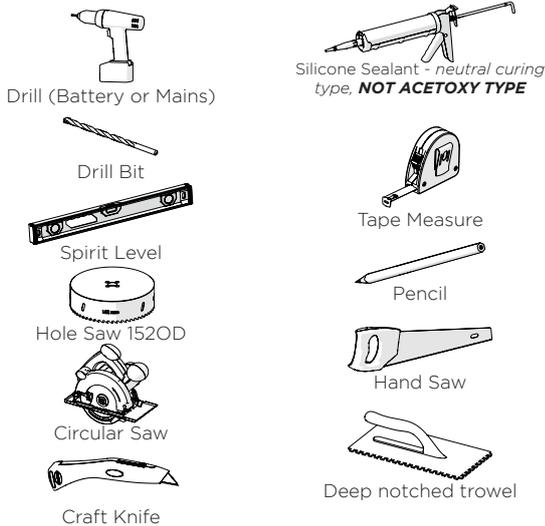
**Please read these instructions throughout before installing as incorrect fitting will invalidate the guarantee.**

These installation instructions must be used in conjunction with the Aqua4ma Installation Instructions.

If you are unsure about these instructions please contact Kudos Shower Products:

**Customer Service Helpline: 01539 564040**

### Tools Required



### Material Required - not supplied

- 4" x 2" (100 X 50mm) timber
- Drywall fixing screws
- Assorted wood screws

### Important

Ensure that the product purchased is suitable for your requirements before opening the packaging. Check appearance of the products - any defects must be reported to Kudos Shower Products before assembly/installation. Claims for imperfections will only be accepted prior to assembly/installation. Care must be taken during installation to avoid hidden pipes, electrical cable etc.

**Use only Kudos Solvent Weld where stated in these instructions. The use of any other substance will compromise the Aqua4ma system and nullify the guarantee.**

### Important

#### FLOOR LEVEL

The existing floor needs to be level, however, a tolerance of 5mm per metre is acceptable and tiles need to be bedded-up to compensate for this. Anything more than 5mm per metre then the floor needs to be level.

#### TILING

Allowance must be made by the installer when tiling to compensate for any difference in levels created by the trimming of the Shower Base.

#### FIXING SCREWS

We recommend drywall screws only- dia.3.8/4.2mm thread -are used to fix base and panels to floor and walls. Screw lengths are dependent upon panel thickness's used and floorboards thickness. **Do not drill pilot holes, simply drive the screws through the base and panels.**

#### HANDLING SHOWER BASE

Care must be taken when handling/installing the shower base as this can be damaged if not handled with due care. Please be assured once installed and fixed into place then the integral strength is re-established.

#### PLUMBING

All pipework must be fitted in accordance with current Building Regulations. Pipework and waste fittings must be water tested throughout the installation process to ensure there are no leaks.

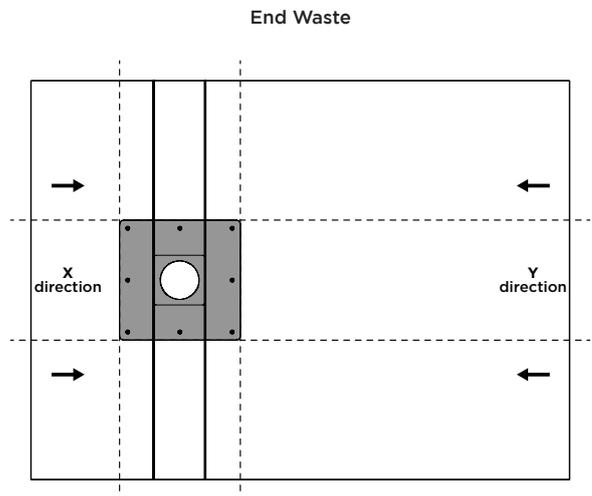
### Underfloor Heating

The Aqua4ma system is suitable for use with underfloor heating. Aqua4ma panels are fitted to the floor then the heating system is fitted on top of the panels.

Please note that if the heating system is not required inside the showering area, i.e. on top of the shower base, then height allowance of the heating system and Aqua4ma panels must be taken into account to ensure a finished level surface for tiling.

### Shower Base - max. trimmable details.

The bases can be trimmed on one, two or three sides - any cut side(s) should be placed against a wall to ensure the outer uncut side(s) retaining the same edge thickness, face into the room.



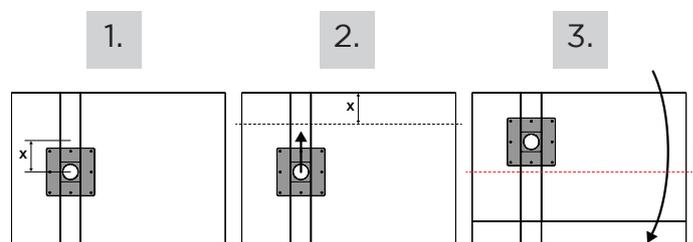
Please refer to following table to calculate the reduction in edge thickness dependent on amount trimmed on each side:

Shower Base product	Reduction in outer edge thickness for every 10mm trim	
	X direction	Y direction
End Waste - 1340 x 1000	0.50mm	0.17mm

### Alternative Trimmable Option (long edge only)

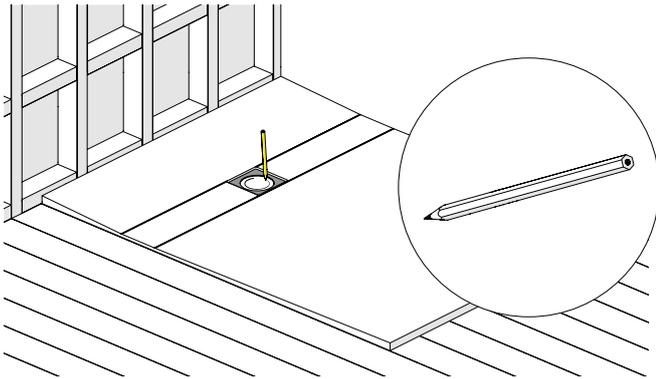
You can change the position of the waste without losing the tray size.

1. Measure/decide how much you want to move the waste by 'X'.
2. Decide which way you want the waste to move. From the side you want to move to, cut 'X' from the long end of the tray.
3. Take the piece you have just cut and add it over to the opposite side. Example below shows a red line where the waste position originally was.



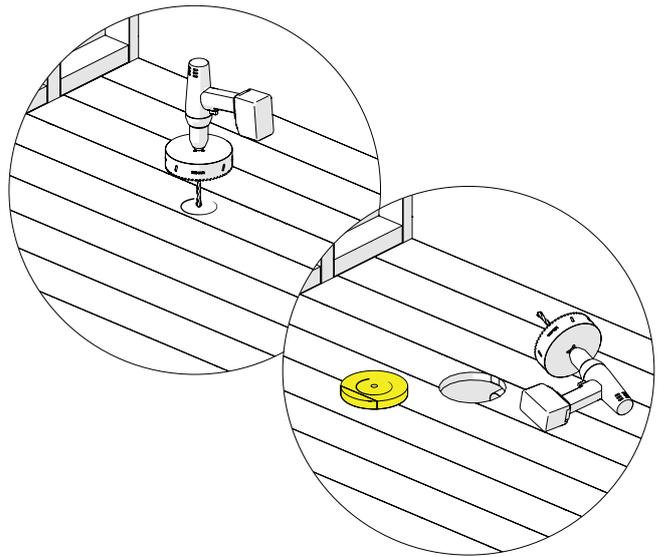
## End Waste Installation onto Floorboards

1.



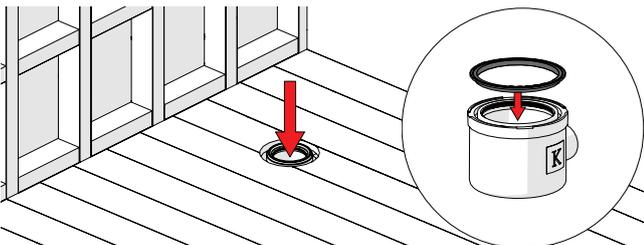
Carefully remove all packaging and discard. Place tray in required position against wall/s (see note at stage 14) and mark position of centre waste hole into flooring. If your walls are not square the each other, it may be necessary to trim the wall side(s) only, of the base. If the waste hole lands on a joist or pipe-work underneath the flooring, position the base away from the wall/s to avoid these, then Aqua4ma panel/s can be used to infill between the wall/s and the base. If this is not possible the joist would need to be trimmed out properly, ensuring the current building regulations are strictly adhered to. Alternatively, pipe-work would have to be re-routed.

2a.



Remove the tray. In the centre of the marked position drill a hole with the Hole Saw 152mmOD, as shown. See section 2b. for solid floors.

3.

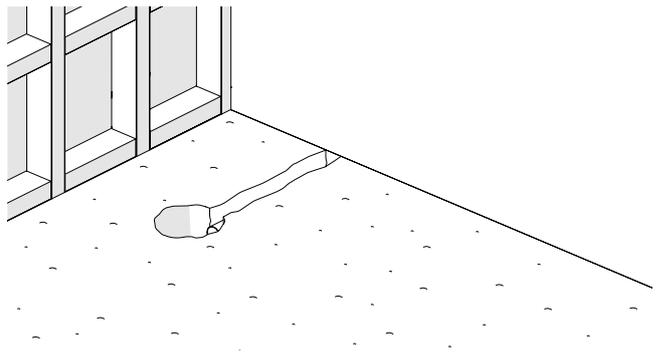


Connect waste body using 1½" / 42mm UK solvent weld waste pipe (not supplied), ensuring that the waste body is positioned to centre of the cut-out. Please refer to separate instructions for details of the waste unit (page 5). We recommend that the shower waste is connected to it's own dedicated pipework and should not be shared with other waste pipes.

### INSTALLING ONTO SOLID FLOOR

Solvent weld 1½" / 42mm UK waste pipe into the waste outlet. Shower base and Aqua4ma panels are fixed to the solid floor using full bed of flexible tile adhesive applied with a deep notched trowel.

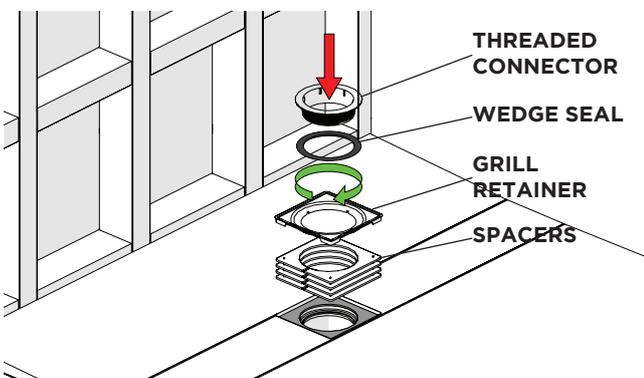
2b.



### INSTALLING ONTO SOLID FLOOR

Follow instructions up to stage 2. Remove the section of concrete/screed for the waste body and waste pipe.

4.

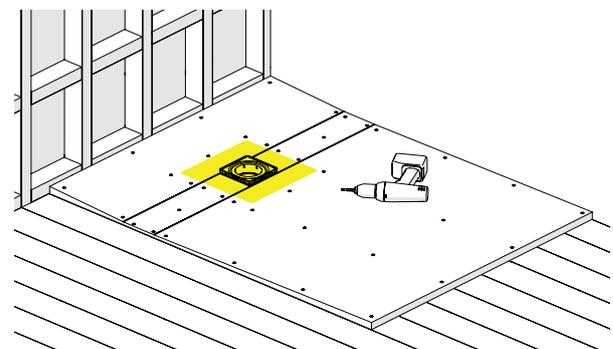


Place tray into position. Refer to Waste instructions to fit the Threaded Connector, Wedge seal, Grill Retainer and Height Spacer(s). Twist the Threaded connector into the Waste. This will tighten and secure tray to waste.

### INSTALLING ONTO SOLID FLOOR

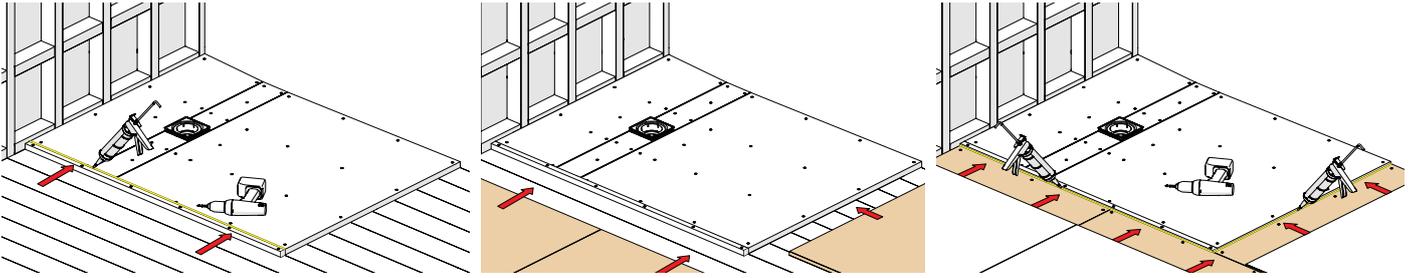
Please apply flexible tile adhesive to the underside of the tray when placing tray onto solid floors.

5.



Secure the tray in place using drywall screws. Screw outside the parameters (indicated yellow) so that you miss the Square Steel Support Plate underneath (300mm x 300mm).

6.



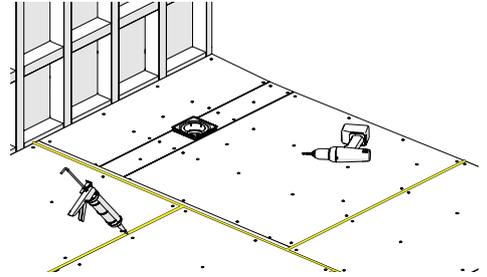
1. Using Kudos Solvent Weld, apply a continuous bead to the edge of the shower base, as shown where the 25mm strip is going. Lay the 25mm strip up to the edge of the base applying pressure to ensure the 25mm strip is fitted firmly against the base edge. Secure the 25mm strip in place using drywall screws (not supplied).

2. Lay down the 18 ply-boards, as shown. Secure the panel in place using drywall screws at 150mm centres.

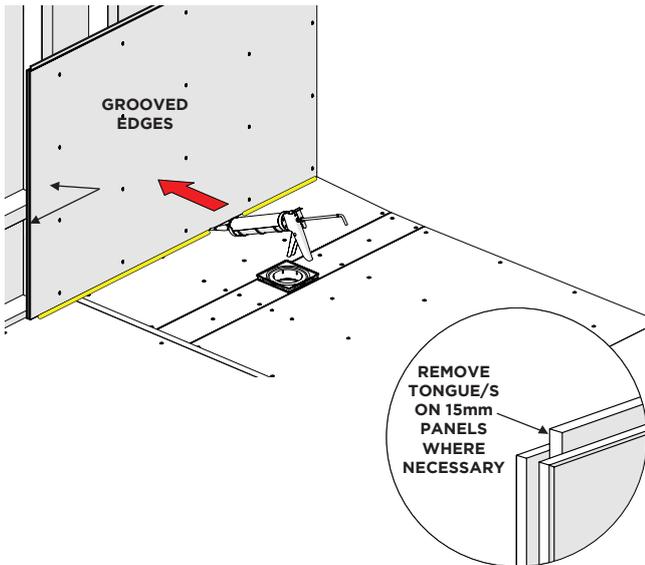
3. Using Kudos Solvent Weld, apply a continuous bead to the edge of the shower base, as shown. Applying a cement based flexible tile adhesive (NOT READY MIXED) to the 7mm Aqua4ma panels using a deep notched trowel, keeping the adhesive approx. 50mm away from the edges of the panels. Lay 7mm Aqua4ma panels up to the edge of base applying pressure to ensure the panels are fitted firmly against the base edge. Secure the panel in place using drywall screws (not supplied) at 150mm centres, then wipe clean surplus Solvent Weld.

4. Continue to fit panels to adjoining panels using solvent weld on joints and screw fix to floor at 150mm centres. The panels can be trimmed to size using handsaw, jigsaw or circular saw. Joints should be preferably staggered, to help strengthen the overall assembly.

**Tip: Do not fully tighten the screws on the outer edge of the panel until the adjoining panel has been fitted.**



7.



Using Kudos Solvent Weld, apply a continuous bead to the edge of the shower base, as shown.

Lay the first Aqua4ma panel onto base and against the wall applying pressure to ensure the panel is fitted firmly against the base. Secure the panel in place using drywall screws at approx. 150mm centres into the stud-work, then wipe clean surplus Solvent Weld.

**Important**  
Tongue/s must be removed from the panels using sharp craft knife, wherever these butt up against the shower base, floor panels and wall/s.

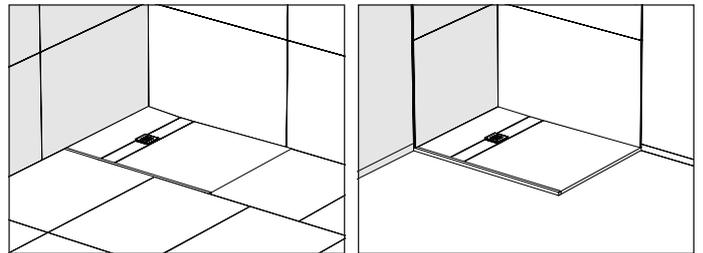
**Tip: Do not fully tighten screws on the outer edge of the panel until the adjoining panel has been fitted - this will ease fitments of the tongue & grooved joints. Where applicable.**

**FIXING PANELS TO SOLID WALLS**

Panels can be fixed to solid walls, e.g. brickwork or block-work, by applying a cement based flexible tile adhesive (NOT READY MIXED) to the back of the panels using a deep notched trowel, keeping the adhesive approx. 50mm away from the edges of the panels. If weight bearing fixtures are to be fitted to the walls, then the relevant panel/s must also be plugged and screwed in each corner and in the centre, to accommodate for this.

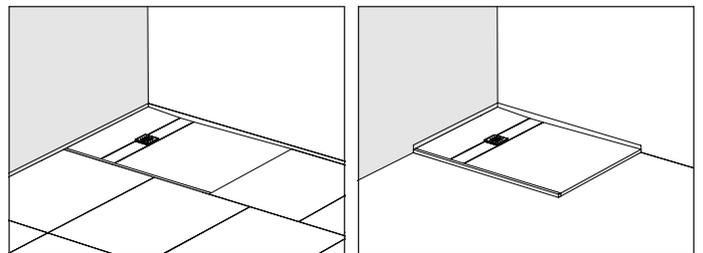
8.

Continue to fit panels to adjoining panels using solvent weld on joints and screw fix to stud-work.



**FULL INSTALLATION**  
Entire floor and all walls are covered using the appropriate Aqua4ma panels.

**SHOWER AREA INSTALLATION**  
Entire walls within the shower area are covered using the appropriate Aqua4ma panels. The remainder of the walls are fitted with the Aqua4ma skirting panels.



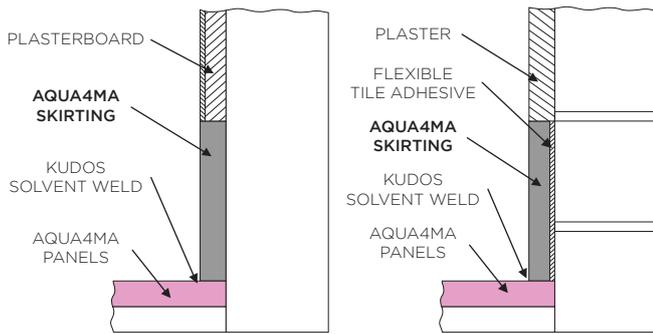
**FLOOR & SKIRTING INSTALLATION**  
Entire floor covered using the appropriate Aqua4ma panels. The walls are fitted with the Aqua4ma skirting panels.

**TRAY & SKIRTING INSTALLATION**  
Tray and skirting. Remaining floor area must be built up to the same level as the base.

**NB -** to achieve a flush finish to existing wall surface, plasterboard/plaster must be removed then panels & skirting are fitted to stud-work/solid wall flush to wall surface.

**Base & floor panels must be positioned to stud-work/solid wall so that panels & skirting can be solvent welded to top of these.**

9.



**SKIRTING PANELS**

Plasterboard/plaster to be removed and skirting panels fitted ensuring these are flush with the wall surface. Solvent weld all joints.

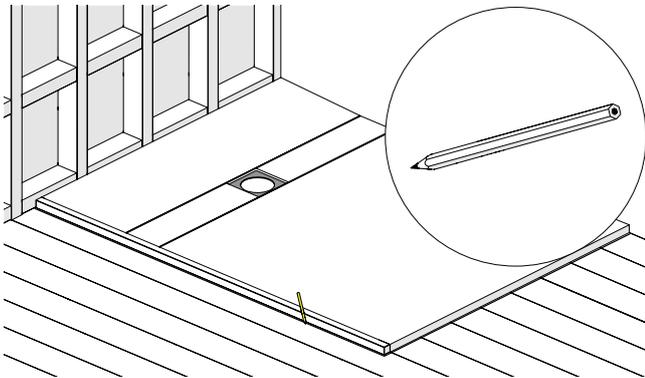
10.

On completion, go over all joints with Kudos Solvent Weld to ensure these are totally filled.

Your Aqua4ma wet-room is now ready for covering in finished surfacing. For tiles, use waterproof flexible cement-based adhesive (not ready mixed) and grout.

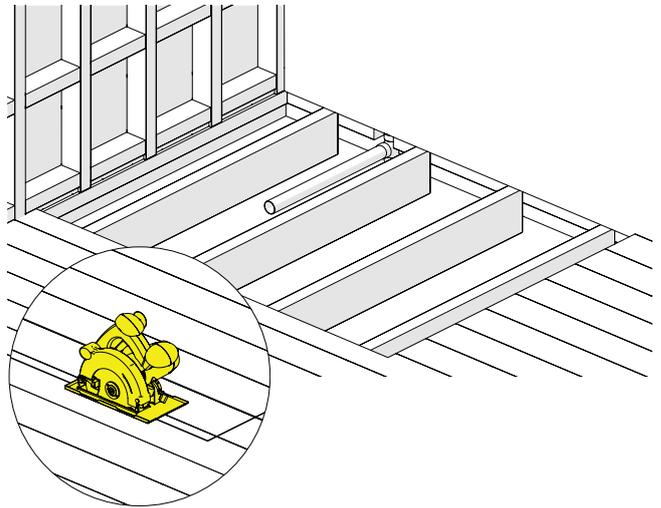
**End Waste Installation onto Joists**

1.



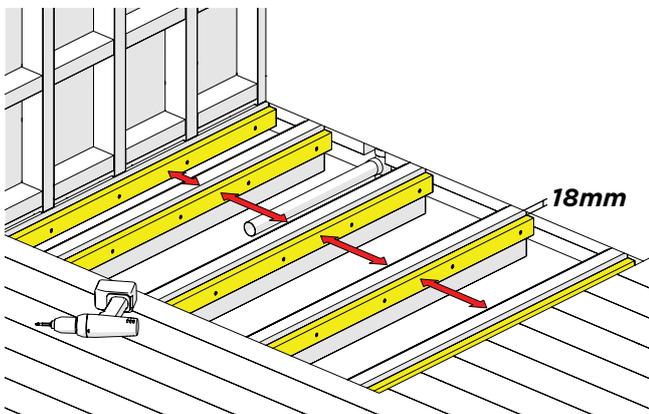
Carefully remove all packaging and discard. Place tray and 25mm strip in required position against wall/s (see note at stage 11) and mark position of the outside of the tray onto flooring. If your walls are not square the each other, it may be necessary to trim the wall side(s) only, of the base. If the waste hole lands on a joist or pipe-work underneath the flooring, the tray can be trimmed to move the hole position (see page 1). If this is not possible the joist would need to be trimmed out properly, ensuring the current building regulations are strictly adhered to. Alternatively, pipe-work would have to be re-routed.

2.



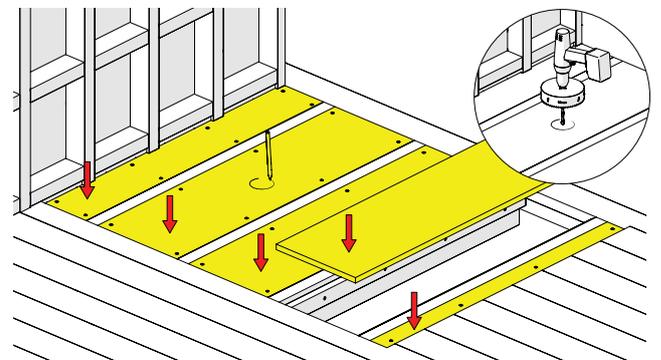
Carefully cut out the marked area on the floorboards with the Circular Saw. Be careful not to cut away at joist underneath. Ensure pipework is installed.

3.



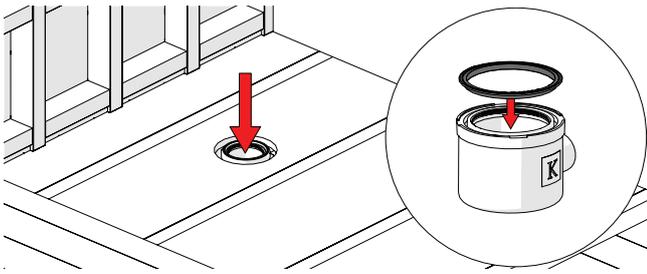
Cut down battens to suit space. Measure 18mm from the top of the joists and mark. Secure the battens in place using drywall screws, so that battens top surfaces are set 18mm below the joist top surface.

4.



Cut 18 ply-board down to suit the spaces. Place them on top of the battens and screw into place using drywall screws. Place tray in position and mark position of centre waste hole. Remove the tray and drill a hole with the Hole Saw 152mmOD, as shown.  
**INSTALLING ONTO SOLID FLOOR**  
Refer to Centre Waste Installation on Floorboards. Follow instructions up to stage 2, then cut out concrete or screed to a minimum depth of 18mm using angle grinder.

5.



Connect waste body using 1½" / 42mm UK solvent weld waste pipe (not supplied), ensuring that the waste body is positioned to centre of the cut-out.

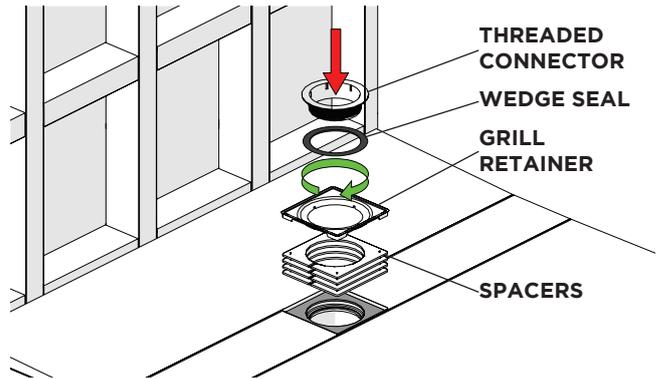
Please refer to separate instructions for details of the waste unit (page 8).

We recommend that the shower waste is connected to it's own dedicated pipework and should not be shared with other waste pipes.

**INSTALLING ONTO SOLID FLOOR**

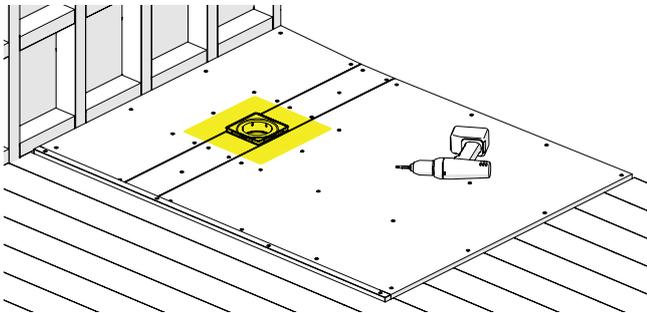
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6.



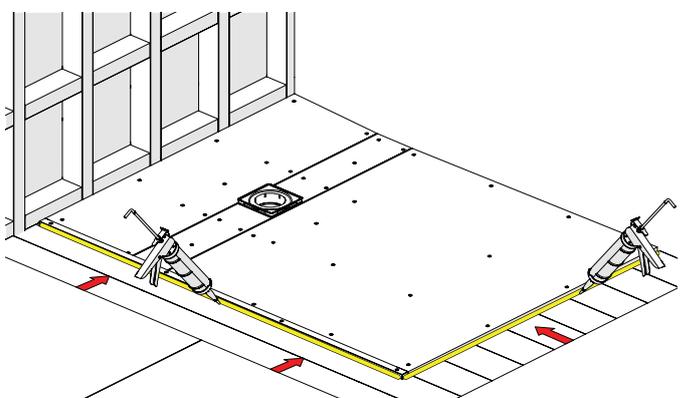
Place tray into position. Refer to Waste instructions to fit the Threaded Connector, Wedge seal, Grill Retainer and Height Spacer(s). Twist the Threaded connector into the Waste. This will tighten and secure tray to waste.

7.

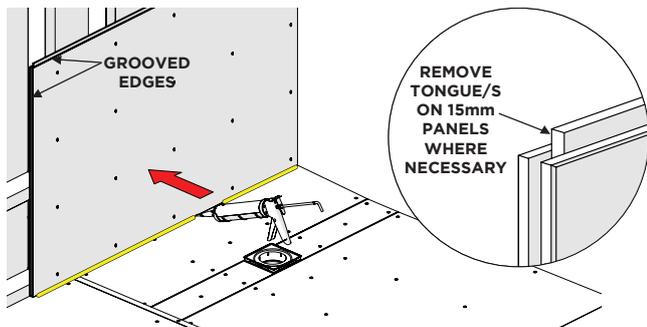


Secure the tray and 25mm strip in place using drywall screws. On the tray screw outside the parameters (indicated yellow) so that you miss the Square Steel Support Plate underneath (300mm x 300mm).

8.



9.



Using Kudos Solvent Weld, apply a continuous bead to the edge of the shower base, as shown.

Lay the first Aqua4ma panel onto base and against the wall applying pressure to ensure the panel is fitted firmly against the base. Secure the panel in place using drywall screws at approx. 150mm centres into the stud-work, then wipe clean surplus Solvent Weld.

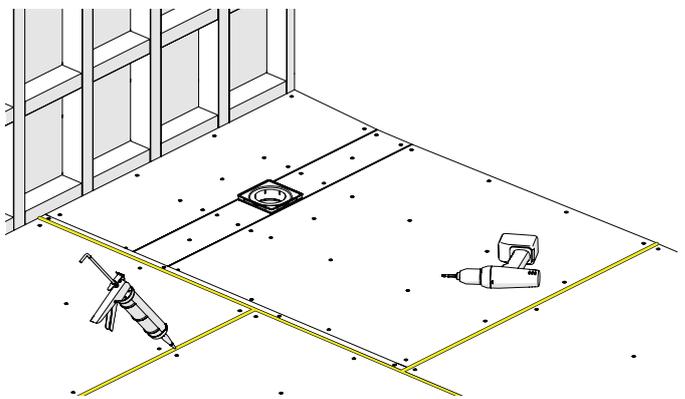
**Important**

**Tongue/s must be removed from the panels using sharp craft knife, wherever these butt up against the shower base, floor panels and wall/s.**

**Tip: Do not fully tighten screws on the outer edge of the panel until the adjoining panel has been fitted - this will ease fitments of the tongue & grooved joints. Where applicable.**

**FIXING PANELS TO SOLID WALLS**

Panels can be fixed to solid walls, e.g. brickwork or block-work, by applying a cement based flexible tile adhesive (NOT READY MIXED) to the back of the panels using a deep notched trowel, keeping the adhesive approx. 50mm away from the edge of the panels. If weight bearing fixtures are to be fitted to the walls, then the relevant panel/s must also be plugged and screwed in each corner and in the centre, to accommodate for this.



Using Kudos Solvent Weld, apply a continuous bead to the edge of the shower base, as shown.

Applying a cement based flexible tile adhesive (NOT READY MIXED) to the 7mm Aqua4ma panels using a deep notched trowel, keeping the adhesive approx. 50mm away from the edges of the panels. Lay 7mm Aqua4ma panels up to the edge of base applying pressure to ensure the panels are fitted firmly against the base edge. Secure the panel in place using drywall screws (not supplied) at 150mm centres, then wipe clean surplus Solvent Weld.

Continue to fit panels to adjoining panels using solvent weld on joints and screw fix to floor at 150mm centres.

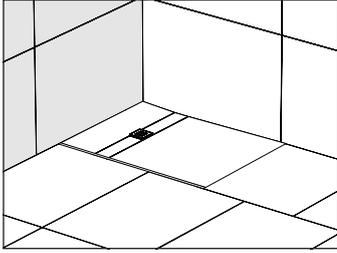
The panels can be trimmed to size using handsaw, jigsaw or circular saw.

Joints should be preferably staggered, to help strengthen the overall assembly.

**Tip: Do not fully tighten the screws on the outer edge of the panel until the adjoining panel has been fitted.**

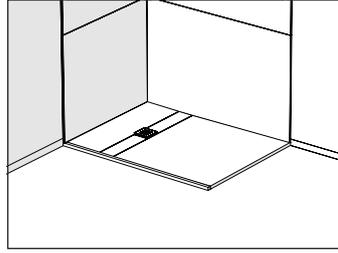
## 10.

Continue to fit panels to adjoining panels using solvent weld on joists and screw fix to stud-work.



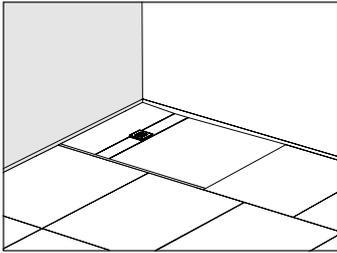
### FULL INSTALLATION

Entire floor and all walls are covered using the appropriate Aqua4ma panels.



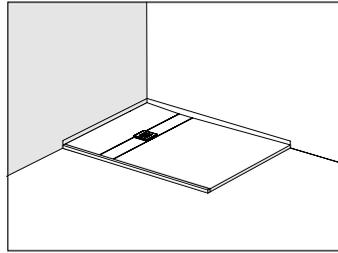
### SHOWER AREA INSTALLATION

Entire walls within the shower area are covered using the appropriate Aqua4ma panels. The remainder of the walls are fitted with the Aqua4ma skirting panels.



### FLOOR & SKIRTING INSTALLATION

Entire floor covered using the appropriate Aqua4ma panels. The walls are fitted with the Aqua4ma skirting panels.



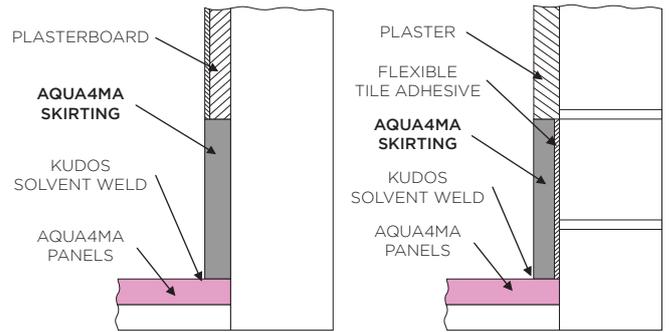
### TRAY & SKIRTING INSTALLATION

Tray and skirting. Remaining floor area must be built up to the same level as the base.

**NB** - to achieve a flush finish to existing wall surface, plasterboard/plaster must be removed then panels & skirting are fitted to stud-work/solid wall flush to wall surface.

**Base & floor panels must be positioned to stud-work/solid wall so that panels & skirting can be solvent welded to top of these.**

## 11.



### SKIRTING PANELS

Plasterboard/plaster to be removed and skirting panels fitted ensuring these are flush with the wall surface. Solvent weld all joints.

## 12.

On completion, go over all joints with Kudos Solvent Weld to ensure these are totally filled.

Your Aqua4ma wet-room is now ready for covering in finished surfacing. For tiles, use waterproof flexible cement-based adhesive (not ready mixed) and grout.

## WRWAE WASTE for Centre & End Tray

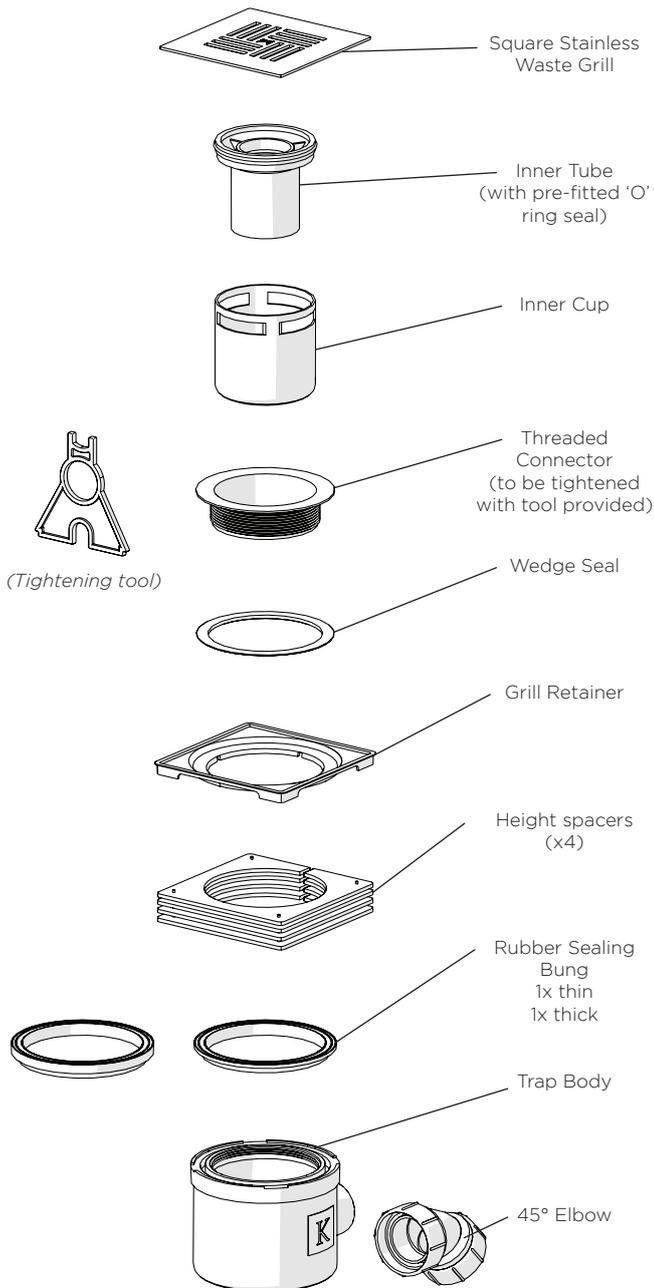
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These installation instructions must be used in conjunction with the Aqua4ma Installation Instructions.

If you are unsure about these instructions please contact Kudos Shower Products:

**Customer Service Helpline: 01539 564040**

### Exploded View



### Cleaning

Clean on a regular basis to prevent dirt / debris build up. Use the hook supplied to remove the stainless steel grid, remove the Inner Tube & Inner Cup to clean and also clean inside of the Trap Body using warm soapy water only.

1.

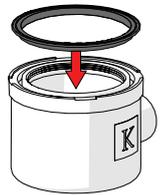
Fit 2" solvent weld waste pipe to the waste Adaptor using solvent weld - not supplied. Do not use Kudos Solvent Weld for this or any other pipe joints.

2.

The Square Stainless Steel Support Plate is pre installed into the tray.

3.

Add the 'thin' Rubber Seal Bung to the Trap Body. Use the 'thicker' size if required.



4.

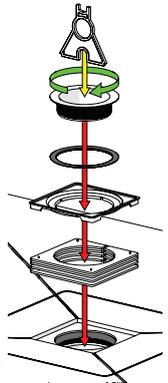
Connect waste and install the tray as specified in installation instructions.

5.

Use the 'Tightening tool' provided to secure the tray to the waste. Secure in the order shown, Height Spacers, Grill Retainer, Wedge Seal and Threaded Connector.

Check thickness of tiles + tile adhesive and adhere the 3mm Height Spacer/s if required then the Grill Retainer to the shower base and each other, using Kudos Solvent Weld, to ensure the top of the Grill Retainer is flush with top of tiles when fitted.

**NB - These must be fitted square to the shower base.**



Part/s Fitted	Overall Height
Grill Retainer only	3mm
Grill Retainer + 1 x 3mm Grill Height Spacer	7mm
Grill Retainer + 2 x 3mm Grill Height Spacer	10mm
Grill Retainer + 3 x 3mm Grill Height Spacer	13mm
Grill Retainer + 4 x 3mm Grill Height Spacer	16mm

#### IMPORTANT

The gap between the Grill Retainer and ceramic tiles must be filled with silicone sealant - **grout must not be used.**

6.

Connect Inner Cup to Inner Tube and insert into the waste.

