# OTL Resin Formers

## Drains for Resin Floors




ON THE LEVEL

On The Level
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Client

Job Title

Drawing Title

Date

Not to Scale

altro

the future is safer with altro

# Altro Resins™

## Protection, Maintenance and Cleaning

FEBRUARY 2011

### Smooth Surface

**(AltroFlow EP, where a gloss finish is to be retained)**

Note; A smooth, gloss floor surface offers limited slip resistance. Entrances should be fitted with matting to remove moisture to aid safety and to remove dust/debris to protect the gloss finish. In common with other high-gloss finishes, a resin floor finish may scratch and can require additional polish or surface dressings for ongoing protection, subject to customer requirements and environment .

### Following installation

By the use of three coats of metallised maintenance coating, such as AltroGloss 211 the high gloss finish can be maintained. The installing resin contractor may offer this service.

### Routine maintenance

Sweep or vacuum the floor to remove dust and debris.

**If the floor is to be washed;** dilute a neutral detergent, by 1:40 in clean water. Liberally apply the water and detergent solution to the floor, using a slow-speed (<400rpm) scrubbing machine and white soft-medium pad or a soft-bristle brush.
Allow the detergent solution to remain on the floor for several minutes, to break down deposits, but not sufficiently long to allow it to evaporate. (Exercise due caution on smooth surfaces when wet).

Remove the detergent solution by wet vacuum recovery and follow this with a fresh water rinse, also removed by vacuum.

It is important that all detergent residue is removed from the surface of the floor, because detergent can become slippery, which affects safety, or may remain sticky which attracts and holds more dirt.

If the acrylic emulsion surface dressing has been removed, re-instate this protective measure as above.

**When the floor is not to be washed;** regularly spray burnish with a cleaner-maintainer, such as Altro 48W, using a high speed buffing machine to maintain gloss and disguise micro-scratching.

The acrylic emulsion polish should be removed at intervals which will become apparent and depend upon usage and maintenance. Use an alkaline detergent such as Altro 44 diluted by part in 20 with water, and lightly abrade the floor surface with black coloured stripping pads on a slow-speed <400rpm cleaning machine. Re-apply the acrylic-emulsion dressing and continue as above.

### Textured Surface

**(AltroGrip, AltroCast, Altro TB Screed, Altro TB + Cast, Altro Mosaic, Altro SoloSafe, Altro Multiscreed, Altroscreed Quartz)**

The frequency and degree of cleaning required will be determined by several factors:

- the colour of the floor
- the surface texture of the floor
- spillages or contamination within the area
- the frequency and type of traffic crossing the floor
- the efficiency of entrance matting
- the nature of the adjacent surfaces (dirt carried onto the floor)

### Typical cleaning instructions are detailed below

The resin flooring should be swept clear of debris, then thoroughly cleaned using Altro 44 detergent (or similar) diluted at between 1:20 and 1:40 with clean water and agitated with a hand-held deck scrubber or mechanical scrubbing machine (using brushes).
The detergent solution should remain on the floor for several minutes to allow it to break-down contamination, it should be agitated by scrubbing during this time, and then should be removed by wet-vacuum pick-up.

Immediately following the initial scrubbing, the floor should be rinsed and scrubbed with the fresh clean water (no detergent). When this has been completed the water should again be removed by wet-vacuum pick-up. Allow the floor to dry. Any residues of detergent not recovered will form a tacky surface layer which will attract and hold more dirt.

In some circumstances the customer may decide to use a high solids acrylic-emulsion surface dressing as a barrier layer to ease cleaning. It should be noted that this will also reduce the surface texture and therefore the slip-resistance of the floor finish. In these cases, three coats of the acrylic emulsion dressing are often mop-applied before the final coat is buffed to a gloss finish.

When surface dressings are applied, the control of slip resistance rests with those who determine cleaning regime and choose the application of surface dressings. Effective entrance matting will usually reduce the need for cleaning.

Although resin flooring is very durable and resists many chemicals, some cleaning agents may shorten their service life. Given the relevant data sheets Altro will offer advice and guidance on the suitability of cleaning materials throughout the life of your flooring.

## 2-6mm Heavy Duty

**(Food & Drink Production, Wash-down bays, Engineering etc)**

Note; A textured floor surface may have been selected to offer safety in wet areas. The texture of a slip-resistant surface will require mechanised cleaning or the use of a long-handled scrubbing brush, mop cleaning will not be effective.

The frequency and degree of cleaning required will be determined by several factors:

- the colour of the floor
- the surface texture of the floor
- spillages or contamination within the area
- the frequency and type of traffic crossing the floor
- the efficiency of entrance matting
- the nature of the adjacent surfaces (dirt carried onto the floor)

Sweep or vacuum the floor if required to remove debris.

Dilute an alkaline detergent such as Altro 44 or similar, by 1:40 in clean water (for normal cleaning) or by 1:20 for infrequent heavy cleaning. If required, clean wall surfaces and equipment before cleaning the floor.

Warm water will offer improved cleaning but the water temperature should not exceed 60°C.

Liberally apply the water and detergent solution to the floor, scrubbing with a stiff-bristle deck scrubber or slow-speed (<400rpm) scrubbing machine. Take care not to splash contaminated water onto adjacent clean surfaces.

Be sure to scrub all internal corners of the perimeter coves, around columns etc., where residues may accumulate.

If possible, allow the detergent solution to remain on the floor for several minutes, to break down deposits, but not sufficiently long to allow it to evaporate.

Remove the solution by wet vacuum recovery and follow this with a fresh water rinse, or rinse the solution into drains if permissible.

It is important that all detergent residue is removed from the textured surface of the floor, by thorough rinsing, because detergent can become slippery which affects safety, or sticky which attracts and holds more dirt.

Note - Steam cleaners and/or hot pressure cleaners should not be used on the floor or walls without prior consultation. A cold/ambient pressure washer may be used if required, but the pressure should not exceed 1400psi. Pressure lances may move deposits from the floor to wall surfaces.

Although resin flooring is very durable and resists many chemicals, some cleaning agents may shorten their service life. Given the relevant data sheets Altro will offer advice and guidance on the suitability of cleaning materials throughout the life of your flooring.

## 8-9mm Heavy Duty

**(Food & Drink Production, Wash-down bays, Engineering etc)**

Note; A textured floor surface may have been selected to offer safety in wet areas. The texture of a slip-resistant surface will require mechanised cleaning or the use of a long-handled scrubbing brush, mop cleaning will not be effective.

The frequency and degree of cleaning required will be determined by several factors:

- the colour of the floor
- the surface texture of the floor
- spillages or contamination within the area
- the frequency and type of traffic crossing the floor
- the efficiency of entrance matting
- the nature of the adjacent surfaces (dirt carried onto the floor)

Sweep or vacuum the floor if required to remove debris.

Dilute an alkaline detergent such as Altro 44 or similar, by 1:40 in clean water (for normal cleaning) or by 1:20 for infrequent heavy cleaning. If required, clean wall surfaces and equipment before cleaning the floor.

Liberally apply the water and detergent solution to the floor, scrubbing with a stiff-bristle deck scrubber or slow-speed (<400rpm) scrubbing machine. Take care not to splash contaminated water onto adjacent clean surfaces.

Be sure to scrub all internal corners of the perimeter coves, around columns etc., where residues may accumulate.

If possible, allow the detergent solution to remain on the floor for several minutes, to break down deposits, but not sufficiently long to allow it to evaporate.

Remove the solution by wet vacuum recovery and follow this with a fresh water rinse, or rinse the solution into drains if permissible.

It is important that all detergent residue is removed from the textured surface of the floor, by thorough rinsing, because detergent can become slippery which affects safety, or sticky which attracts and holds more dirt.

Note - Steam cleaners and/or hot pressure cleaning lances should not be left switched on when laid on the floor surface. A cold/ambient pressure washer may be used if required, but the pressure should not exceed 1400psi. Pressure lances may move deposits from the floor to wall surfaces.

Although resin flooring is very durable and resists many chemicals, some cleaning agents may shorten their service life. Given the relevant data sheets Altro will offer advice and guidance on the suitability of cleaning materials throughout the life of your flooring.

# Care and Maintenance for Gullies

**Gullies for Tiled Floors**

Maintenance Instructions.

Shower gullies should only be installed by a competent plumber and/or specialist flooring contractor.

1. The integrity of the gully is dependent on a good seal between the underside of a waterproofing membrane and the gully body. If a silicone sealant is used, care should be taken to use only a neutral sealant. Acetoxy sealants MUST NOT be used as they may be detrimental to the plastic used in the manufacture of the gully.

2. All gullies have a flo w rate in excess of 40 litres per minute when tested in accordance with EN 1253 -2:1999, and are variable dependent on the gully tile or grating used. The flow rate can be seriously impaired if an adequate fall is not maintained throughout the length of the waste pipe.

**ROUTINE MAINTENANCE**

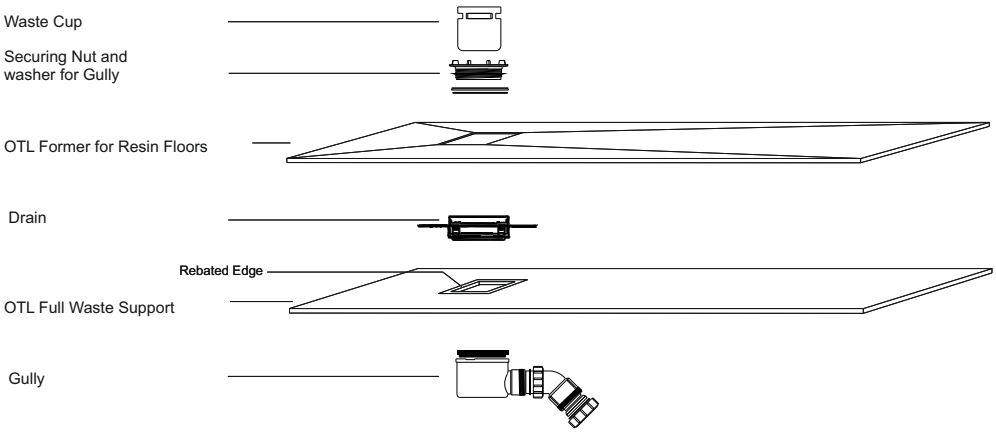
Regular maintenance and cleaning is required as follows:

**Tiled floor gullies.**

1. Remove the grid and set aside.
2. Remove the dip tube/sedi ment cup by pulling clear of the gully body.
3. Flush through the gully body with clean water and thoroughly clean all parts that have been removed.
4. Check for any surface damage to component parts and that the rubber seal on the dip tube is in good condition and correctly positioned.
5. Lubricate all parts with a good quality silicone lubricant (sachet enclosed).
6. Re-assemble the gully by reversing the above instructions.
7. Re-charge gully with clean water

**IT IS RECOMMENDED THAT THIS PROCEDURE SHOULD BE CARRIED OUT AT LEAST EVERY 3 MONTHS. HOWEVER, MORE FREQUENT MAINTENANCE MAY BE REQUIRED DEPENDING ON USAGE.**

# Installation Instructions for OTL Resin Floor Formers

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1. Position the Gully and connect to the waste pipe, ensure the pipe is adequately supported. Test for leaks.

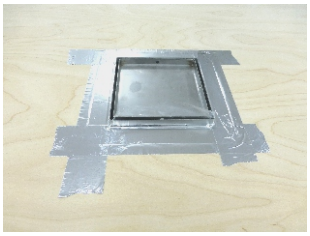
2. Remove the securing nut from the gully.

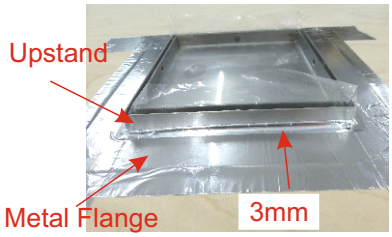
3. Ensure the surface of the Sub Floor is clean and dry and free from all debris.
   Secure the OTL Full Waste Support (**with the rebated edge facing upwards)** to the Sub Floor.

3. With the full waste support secured to the sub floor, place the drain in position and secure the gully to the drain using the nut and washer previously removed.

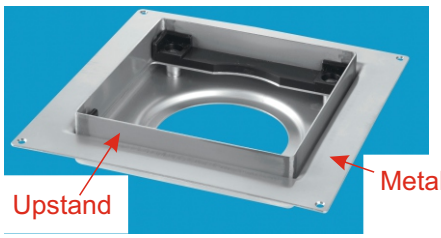
4. Secure the drain to the full waste support using a 20mm No 6 countersunk woodscrew.

## Installation Instructions for OTL Square Drain

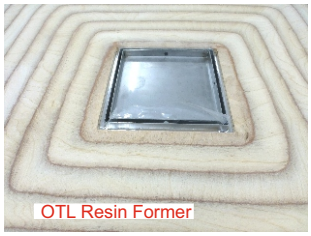


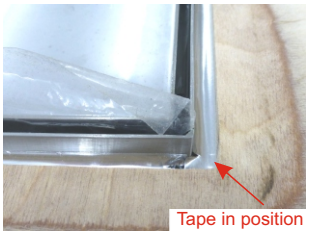



5. Cut and place a piece of foil tape over the metal flange on the drain and return to the up stand so the tape covers the gap between the flange and the upstand.
   **It is important that the tape does not rise more than 3mm on the upstand as the resin primer must adhere to the metal upstand and not the tape.**



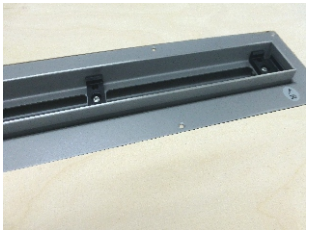

6. With the tape in position place the former over the drain so there is an equal gap all around the drain.




Secure the former to the full waste support as instruction No 11.

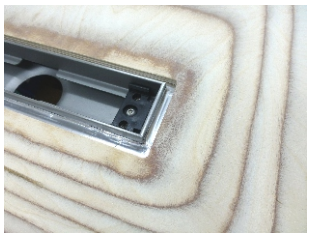
## Installation Instructions for OTL Slimline Channel



7. Connect the gully and waste support as Instructions 1-4.
   Secure the channel in position

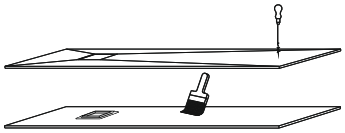
8. Place the former over the waste support. Adjust the height of the upstand to suite the thickness of the resin.

9. With the upstand adjusted and secured, remove the former

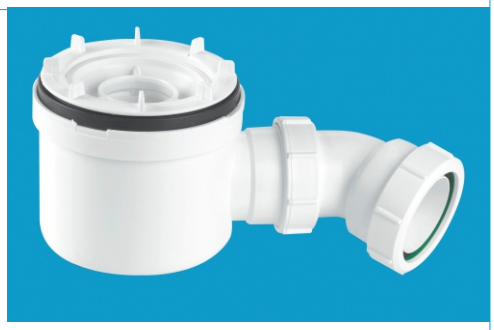


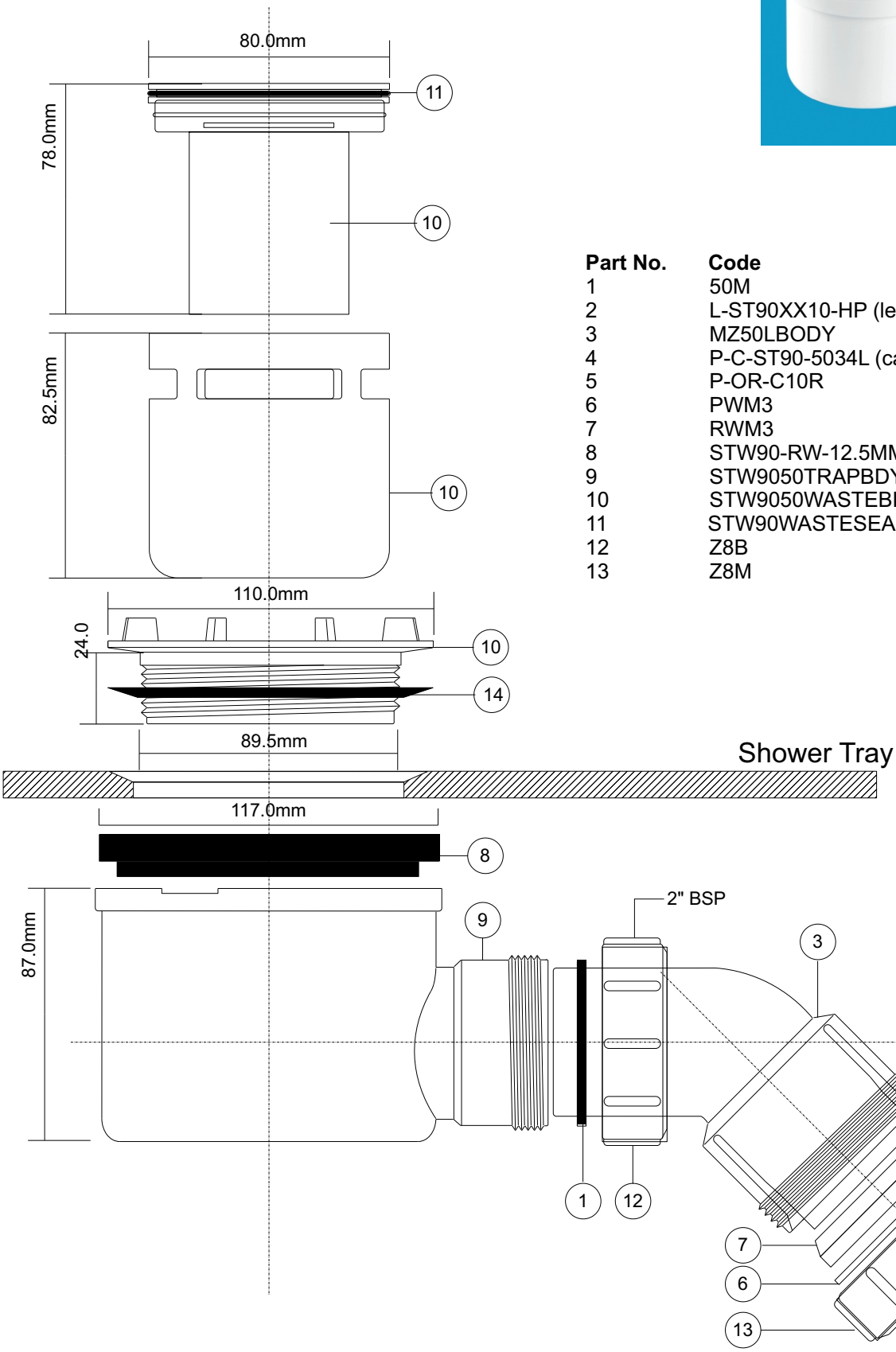
10. Apply the foil tape to the channel as Instruction No 5.

11. Apply a liberal coat of PVA adhesive to the complete area of the waste support. Position the OTL Former over the waste support, line up the former so there is an 8mm gap around the drain, secure the former to the waste support using countersunk wood screws, the head of the screws must be below the surface of the former and filled with P38 Epoxy Resin. Apply Resin Floor as per manufacturer's instructions



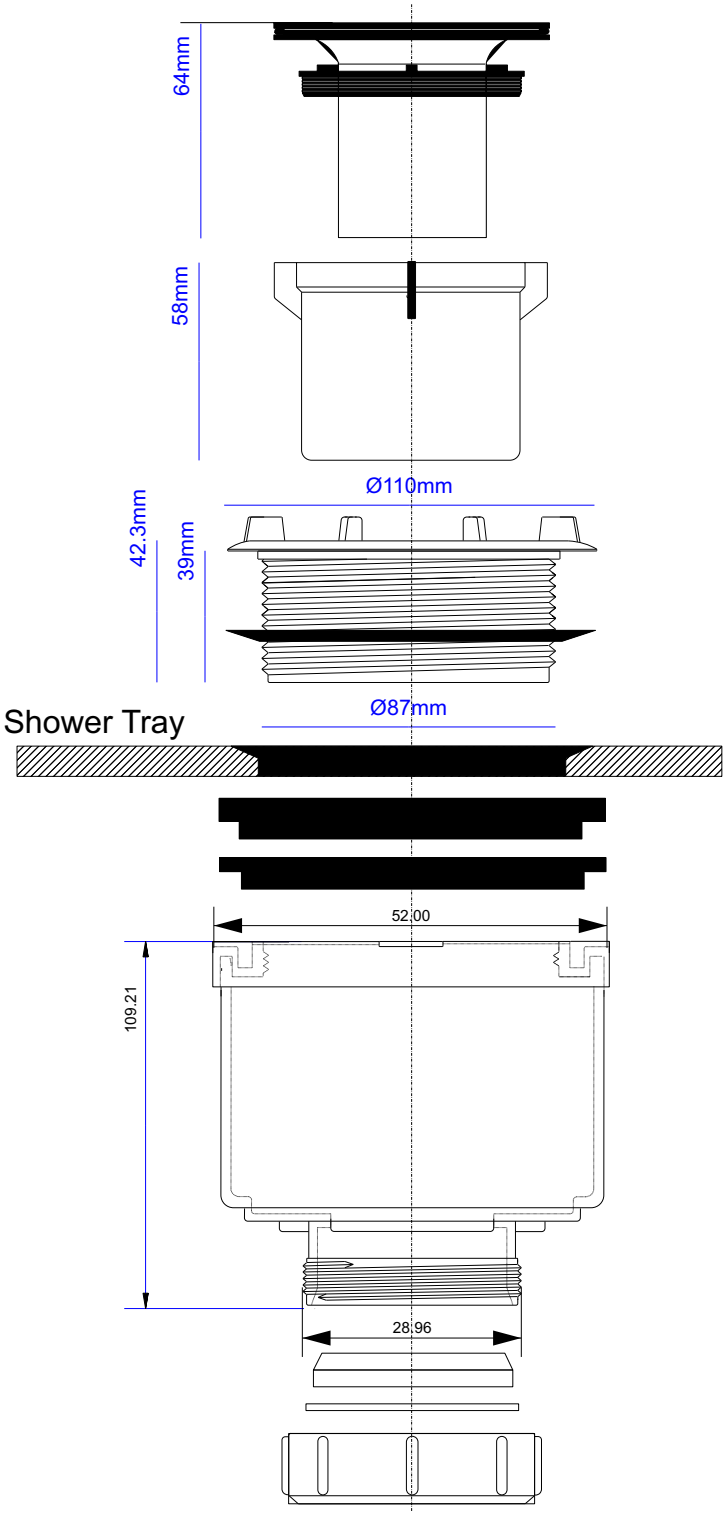
# Ref: OTL ST90-HPB for Resin Floors





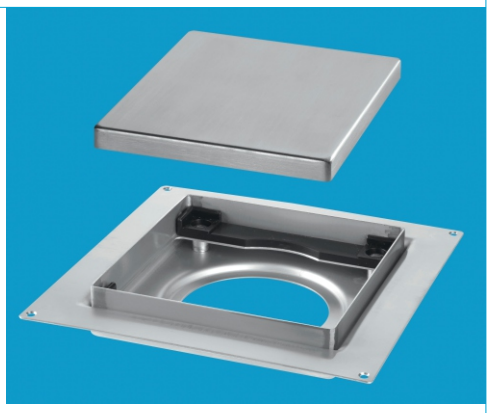

| Part No. | Code |
|---|---|
| 1 | 50M |
| 2 | L-ST90XX10-HP (leaflet – not shown) |
| 3 | MZ50LBODY |
| 4 | P-C-ST90-5034L (carton – Not Shown) |
| 5 | P-OR-C10R |
| 6 | PWM3 |
| 7 | RWM3 |
| 8 | STW90-RW-12.5MM |
| 9 | STW9050TRAPBDY |
| 10 | STW9050WASTEBDY |
| 11 | STW90WASTESEAL |
| 12 | Z8B |
| 13 | Z8M |

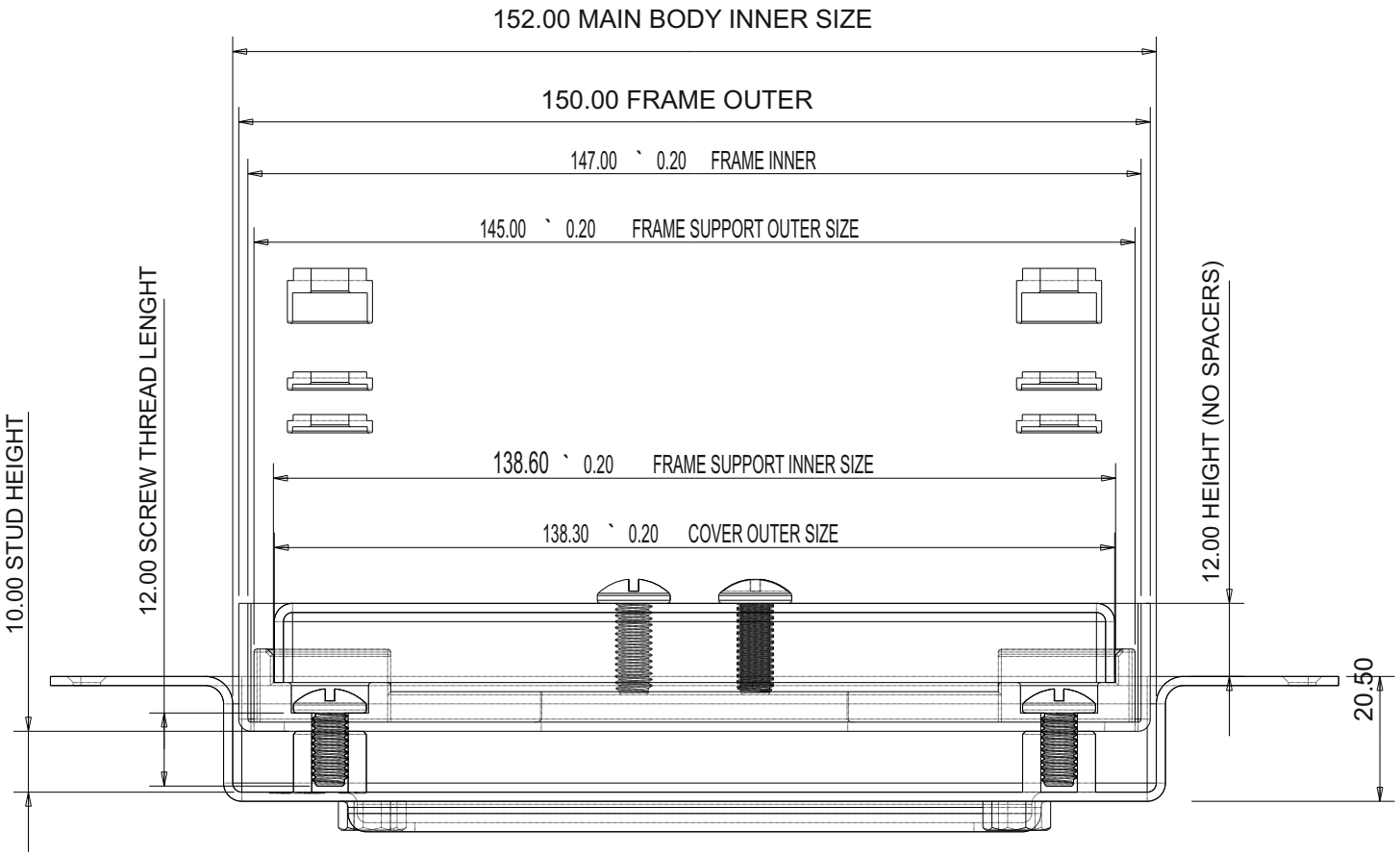
# OTL ST90-VB for Resin Floors



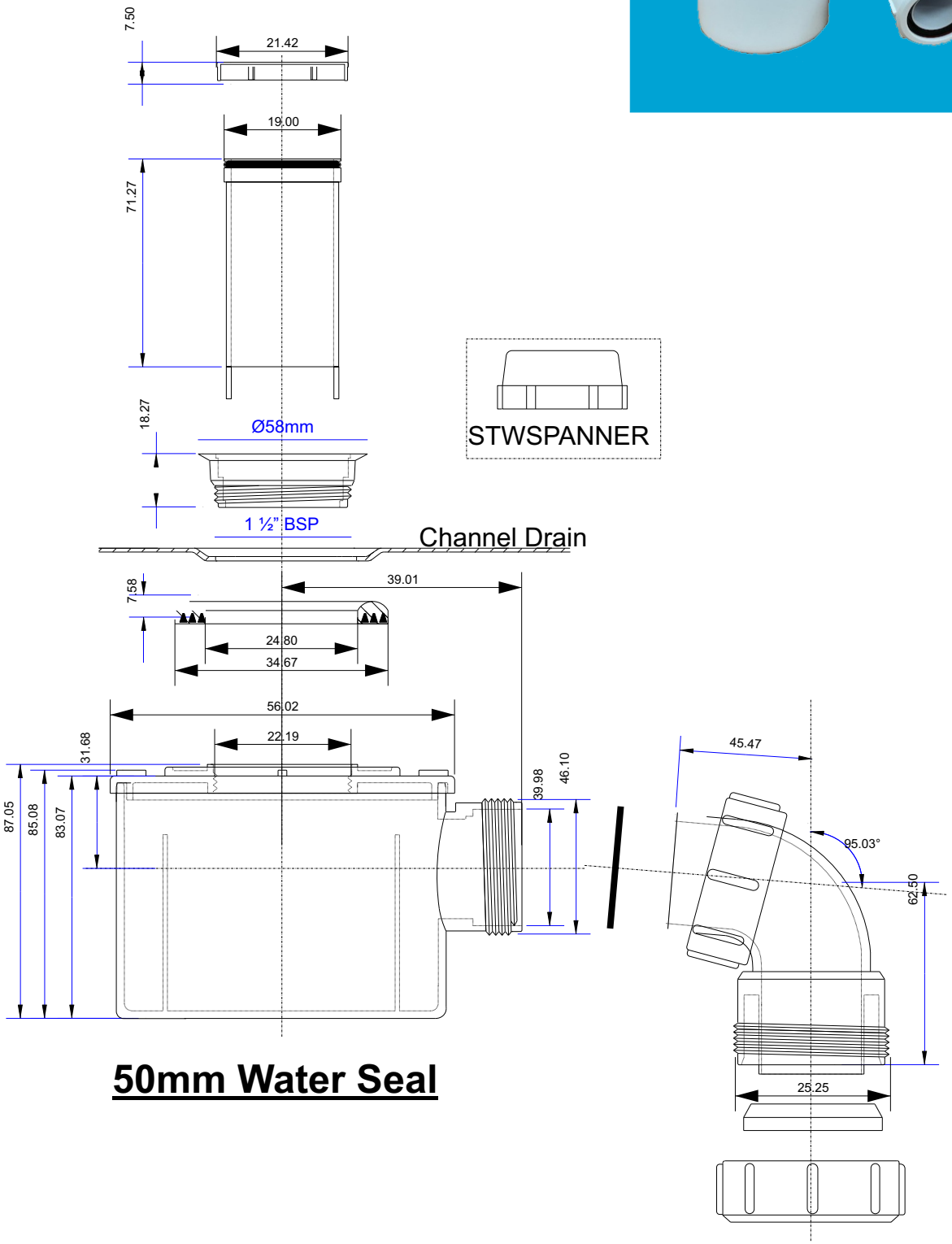

***Water Seal: 50mm***

# Ref: OTL Drain Assembly for Resin Floors





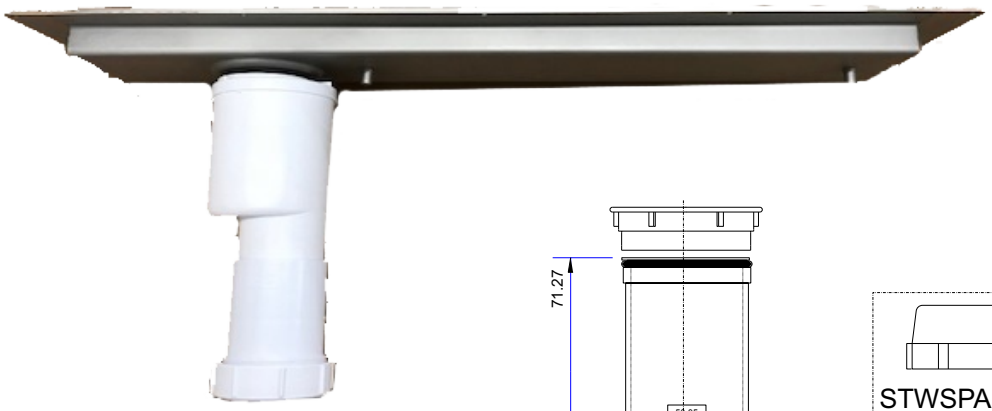
# Ref: OTL CD-ST90-52

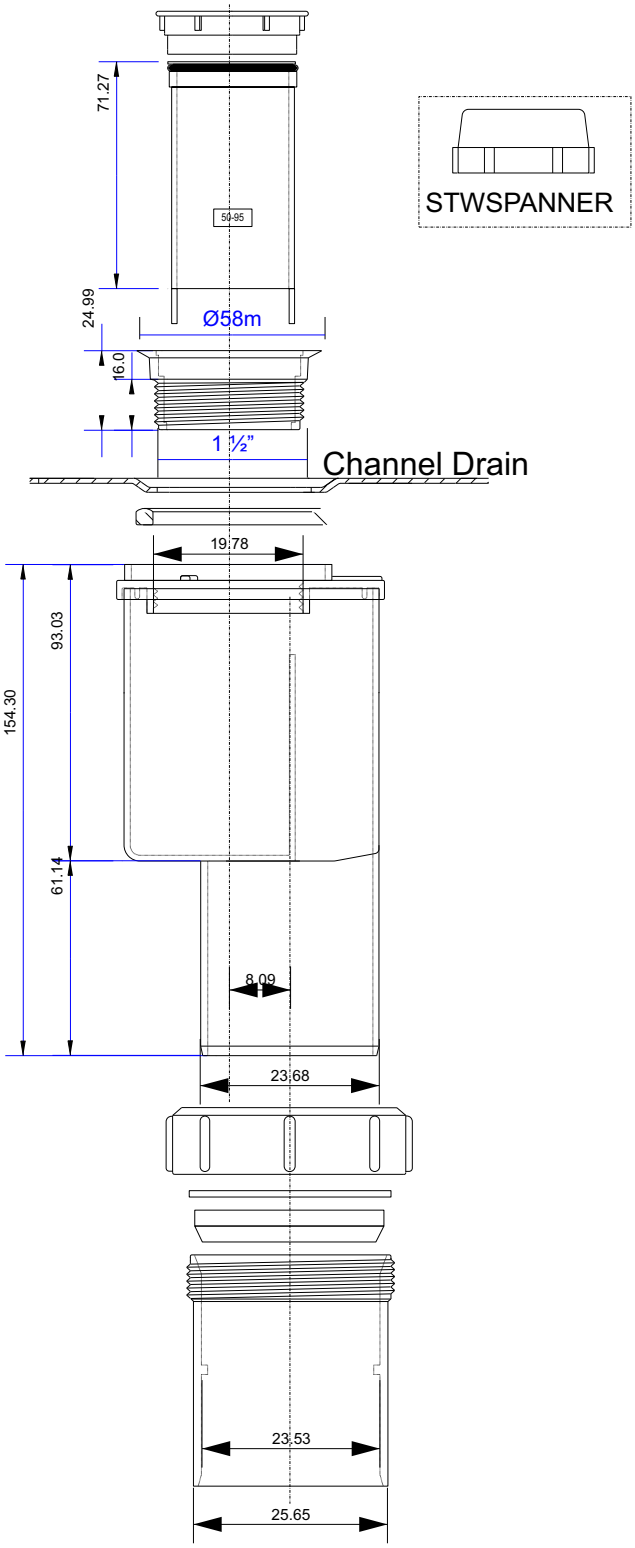



## 50mm Water Seal

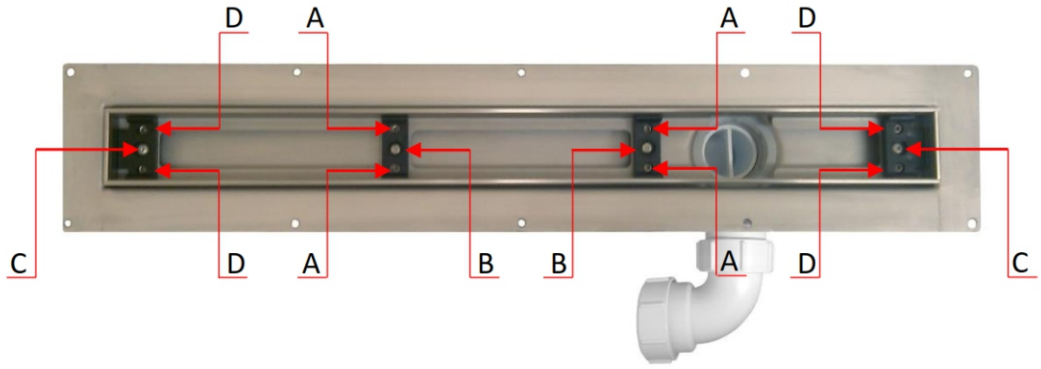
ON THE LEVEL

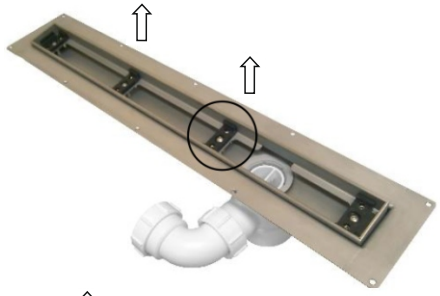
# Ref: OTL STW4R-V

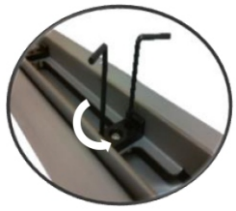




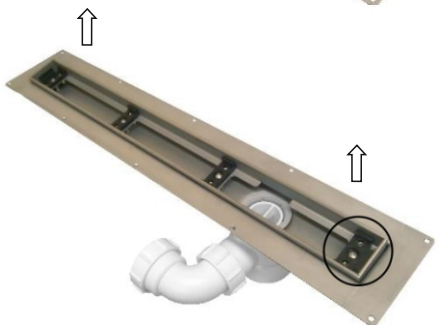
# These Instructions refer to the Height Adjustment of the Tiling Frame for; OTL 700/800/900/1000/1200 CL

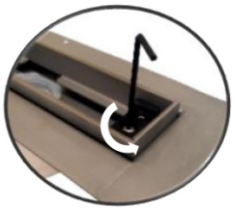


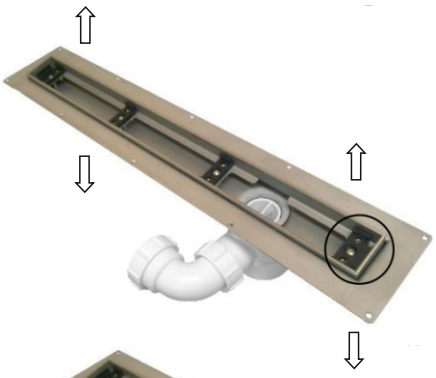


Step 1
Screw up / Raise to the limit but without removing the screw ‘A’

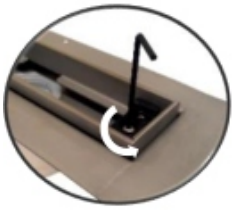




Step 2
Loosen to the limit but without removing the 2 screws ‘B’ and 2 screws ‘C’



Step 3
Depending on the thickness of the tile, adjust the 4 screws ‘D’ to the correct height



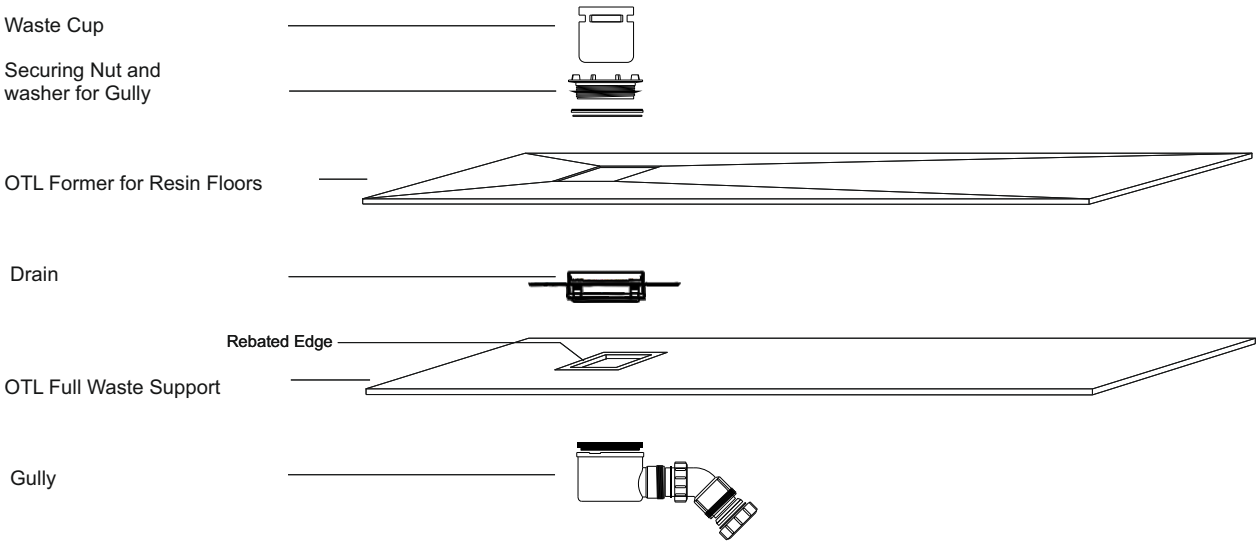
Step 4
Fix the frame by tightening the 2 screws ‘B’ and 2 screws ‘C’

Step 5
Screw down the 4 screws ‘A’ until you feel that they have made contact with the drain bottom. These screws are only designed for supporting the frame.

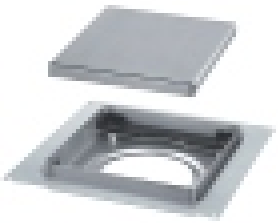
**Attention!!**
**Over tightening of these screws may cause distortion of the frame and cover**

Tanking the former and wet room area with the OTL 021 Linear Tanking System
SEE NEXT PAGE

# OTL RESIN FLOORING SYSTEM
# RESIN FLOOR COMPONENTS




## OTL TILE SETS



**OTL RFPT-B**
(brushed finish)

**OTL RFPT-P**
(polished finish)

## OTL RESIN GULLY

50mm water seal trap body with 2" multifit outlet.

Overall height with tile: 120mm.

Flow rate: 50 l/min. (flow rate calculated under a constant 15mm head of water)

OTL ST90-HPB

## OTL VT90-VB VERTICAL OUTLET

Flow rate: 50 l/min. without reducer, 38 l/min. with 1 ½ reducer.

## SUPERSLIM V/O CHANNEL

## SUPERSLIM H/O CHANNEL