



ON THE LEVEL

MANUFACTURER
OF UNIQUE
WET ROOM
SOLUTIONS



WET ROOM SOLUTIONS | DRAINAGE | TANKING SYSTEMS | LEVEL ACCESS | ANTI-LIGATURE

ON THE LEVEL:
30 YEARS EXPERIENCE IN THE
DESIGN AND CREATION OF UNIQUE
WET ROOM SOLUTIONS



CONTENTS

On The Level's unique wet room solutions	04	
The perfect partner for wet room projects	06	
WET ROOMS		
Choosing your ideal wet room	08	
Wet room formers	10	
Stock size/bespoke formers	12	
Measuring for a bespoke former	14	
Linear drainage system	16	
Introduction to Dynamic Duo	22	
Geberit Duofix and OTL former	24	
LEVEL ACCESS		
Level access – ease and convenience	26	
Stock size formers	28	
Custom made formers	30	
Shower doors	32	
Shower rails, screens and stable doors	34	
Shower accessories	36	
GRP shower trays	38	
Support systems	40	
Shower seats and stools	41	
RESIN FLOORING SYSTEMS		
Resin floors – the seamless shower area	42	
Components	44	
OTL COMPLETE FLOORING SYSTEMS		46
ANTI-LIGATURE PRODUCTS		48
OTL TANKING SYSTEMS		
Components	50	
How much tanking do I need?	52	
Application guidelines	54	
GULLIES AND DRAINS		
OTL grates	56	
OTL gullies	58	



ON THE LEVEL MANUFACTURER OF UNIQUE WET ROOM SOLUTIONS

OUR MARKET LEADING FLOORING SYSTEMS LEAD THE WAY IN WET ROOM DESIGN FOR BOTH RESIDENTIAL AND COMMERCIAL SECTORS.

On The Level's (OTL) unique wet room flooring trays or 'formers' bring ultimate water control to wet, and shower room design. Manufactured from birch plywood, one of the most dimensionally stable plywoods, and with laminations bonded together using a phenolic resin, OTL formers bring inherent toughness and dependability to wet room construction, crucial for architects and residential installers.

Our passion for wet rooms goes back to the 1980's when Phil Clark, company founder and inventor of the patented OTL shower room former first started to see the need for a radically more effective kind of flooring. 30 years spent installing showering areas for local authorities gave him the insight and experience to develop the revolutionary OTL floor tray, the 'former' - a concealed shower tray constructed from the highest quality birch plywood and engineered to the most exacting standards.

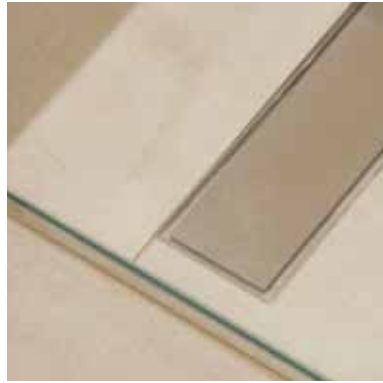
Precision in manufacture underpins the perfect gradient needed for the quick flow of waste water, and every one of OTL's shower formers has it. Advanced technology at the company's Leighton Buzzard premises has been fulfilling high demand for formers since 2004. With over 50 different sizes for all types of floors always held in stock and ready for next day delivery, OTL leads the UK market. Our confidence in the product is such that we offer a lifetime guarantee on all our manufactured formers.

We understand the importance of using and supporting sustainable sources of birch. The birch used to produce all of our formers is sourced from Finland, Estonia and Russia and is backed by PEFC comprehensive certification, creating an environmentally sound product manufactured to the highest standards in the UK.



The birch for all OTL products is backed by PEFC comprehensive certification, making it an environmentally sound product.





INSPIRED DESIGN

OTL, THE PERFECT PARTNER FOR WET ROOM PROJECTS

THE POPULARITY OF WET ROOMS IN CONTEMPORARY BATHROOMS AND SHOWERING AREAS IS ALL ABOUT FREEDOM OF MOVEMENT, AN UNINTERRUPTED FLOW OF SPACE AND MINIMALIST STYLING.

A practical, and safe choice for whole families and groups of users, the wet room creates a relaxed, open showering area with the convenience and ease of level access.

Our large range of stock sized formers makes wet floor installation an easy and straightforward option. Where bathroom or shower areas are unusually shaped OTL's bespoke service brings this same, unique technology into irregular and unusually shaped spaces.

We can manufacture a former to any dimensions or shape, to suit homes and buildings of all kinds of construction. Waste outlets can be re located and the 'former' configured to work with your wet room, whatever its layout or size. Our engineers can work from a rough sketch, cad drawings, technical or architectural drawings and templates, with full discussion of your plans as the project develops through its early stages. We'll identify difficulties early on, and use our experience and technical 'know how' to solve the most tricky of problems.

All bespoke formers are designed and developed on our computer systems before manufacture. The ability to evolve prototypes for individual situations, whether for home, future development, sports club or hotel is

behind OTL's reputation in the industry, the first choice in wet room flooring for some of the UK's leading construction companies.

Using the latest modern equipment at our factory in Bedfordshire and with our machines working to within a tolerance of 10,000th of an inch, we can produce a former of excellent quality and accuracy. The birch plywood used to produce every former has excellent strength to weight ratio, and all formers, once installed using the OTL waste support system, can cope with an applied load of 6.7kN (approx. 105.5 stone). Our stock size and bespoke formers are only 24mm thick, making them ideal to fit into any floor including timber, concrete, TJI joists, cassette floors and floating floors. This particular wood construction means that the formers are light and easy to handle and can be readily shaped on site and secured into position.

Our helpline provides technical advice to anyone installing a wet room for the first time. Builders, developers, architects and home builders routinely rely on our expertise and we are happy to talk through any aspect of wet room installation. We are constantly designing and developing new products for different types of floor constructions and finishes.





CONTEMPORARY STYLE CHOOSING YOUR IDEAL WET ROOM

WET ROOMS ARE FAST BECOMING THE DESIRED SHOWERING SOLUTION FOR CONTEMPORARY LIVING ENVIRONMENTS. OUR SHOWER ROOM FORMERS MAKE THEM PRACTICAL FOR ANY SPACE.

HOW TO PLAN A WET ROOM

The standard size for a showering area is 1200mm x 1200mm, 1200mm x 900mm and 1500mm x 900mm. Also, 1700mm x 800mm is a popular size when replacing a bath with a shower area.

If you have a compact bathroom and you are thinking of creating a small square shower area, a former is available as small as 800mm x 800mm. With a shower area of this size, a simple glass enclosure should be installed to contain any splashing.

To create a luxury, minimalist wet room without a screen, the recommended size of a showering area is 1500mm x 1500mm or larger. However this can depend on the type of showerhead being used and whether or not the shower area will include body jets which spray horizontally. Bear in mind that whilst the shower is in use excess water will splash outside the immediate showering area. This is not a problem if it is caught within the area of the former as water on the gradient will flow towards the waste outlet. If the water falls on a flat floor surface

around the edge of the former, then it may sit and not drain away. So, always make sure that the fall area, i.e. former, extends to a suitable size.

Another consideration when planning a wet room is the position of it in the room. A bathroom does not have to have the wet room in the corner as is traditional with shower enclosures. An OTL wet room can be installed along a wall, in the centre of a room or at right angles to the wall. There are many options and you can be creative with design.

OTL formers can be trimmed by up 50mm without affecting the fall gradients. This is useful as it allows you to move the waste position if it collides with any under floor obstructions. However, this will affect the overall size of the former. The best approach is to measure up accurately before ordering and for unusually large and awkward shapes OTL recommend their bespoke service which will ensure that the waste is positioned accurately.



'TANKING' AND WATERPROOFING

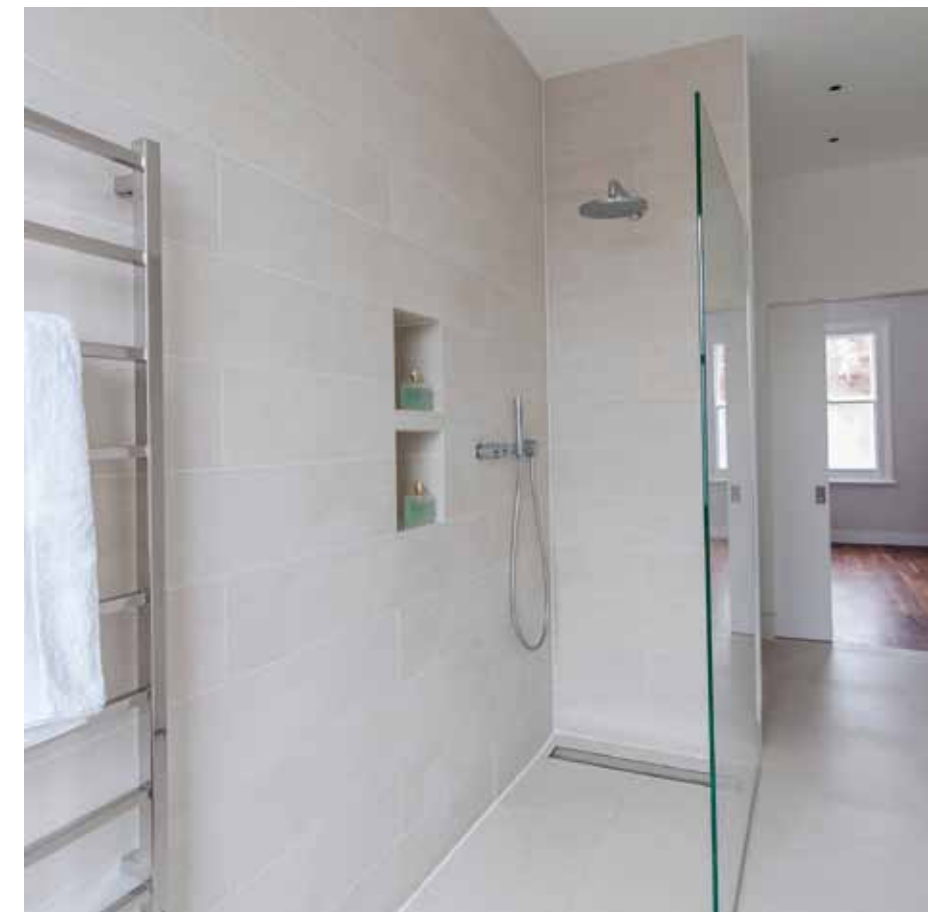
Obviously it is critically important to create a 100% waterproof barrier, so maximum consideration needs to be given to waterproofing – known as 'tanking' – the wet room. The OTL tanking system helps you achieve a watertight environment, through applying a liquid that once cured creates a flexible waterproof membrane on floors and walls.

It can be applied to wood, plasterboard, MDF, concrete screed and most commonly used construction boards. Once applied, the OTL tanking system can resist normal movement in the room and will not become brittle with age. As it is water based, it is non-sticky and is easily applied with a brush or roller. The tanking kit contains everything to get you to tiling stage and has enough liquid to cover 12m². Should you need internal or external preformed corners these can be supplied separately. The OTL tanking system is compatible with all under floor heating.

If you require both former and floor area, we can supply the complete floor including the showering area, with the OTL flooring system. This innovative made-to-measure interlocking flooring system incorporates a bespoke showering area with a choice of waste position. The system is compatible with all OTL drain and grating designs, for example the linear drain and grating which are suited to large format tiled floors. Most types of floor construction are fine for the system including suspended timber floors, block and beam, TJI joists and cassette floors. The interlocking flooring system is suitable for vinyl sheet flooring or a tiled wet room floor so it is ideal for bathrooms, shower areas and general utility areas in

sports clubs, hotels, pod modules, new builds, residential homes and other local authority buildings, as well as renovations, refurbishments and alterations.

If you are not too sure about the design of your wet room please phone our helpline. We are here to help you with any queries whether it is technical advice or help for anyone installing a wet room for the first time.





WET ROOM FORMERS

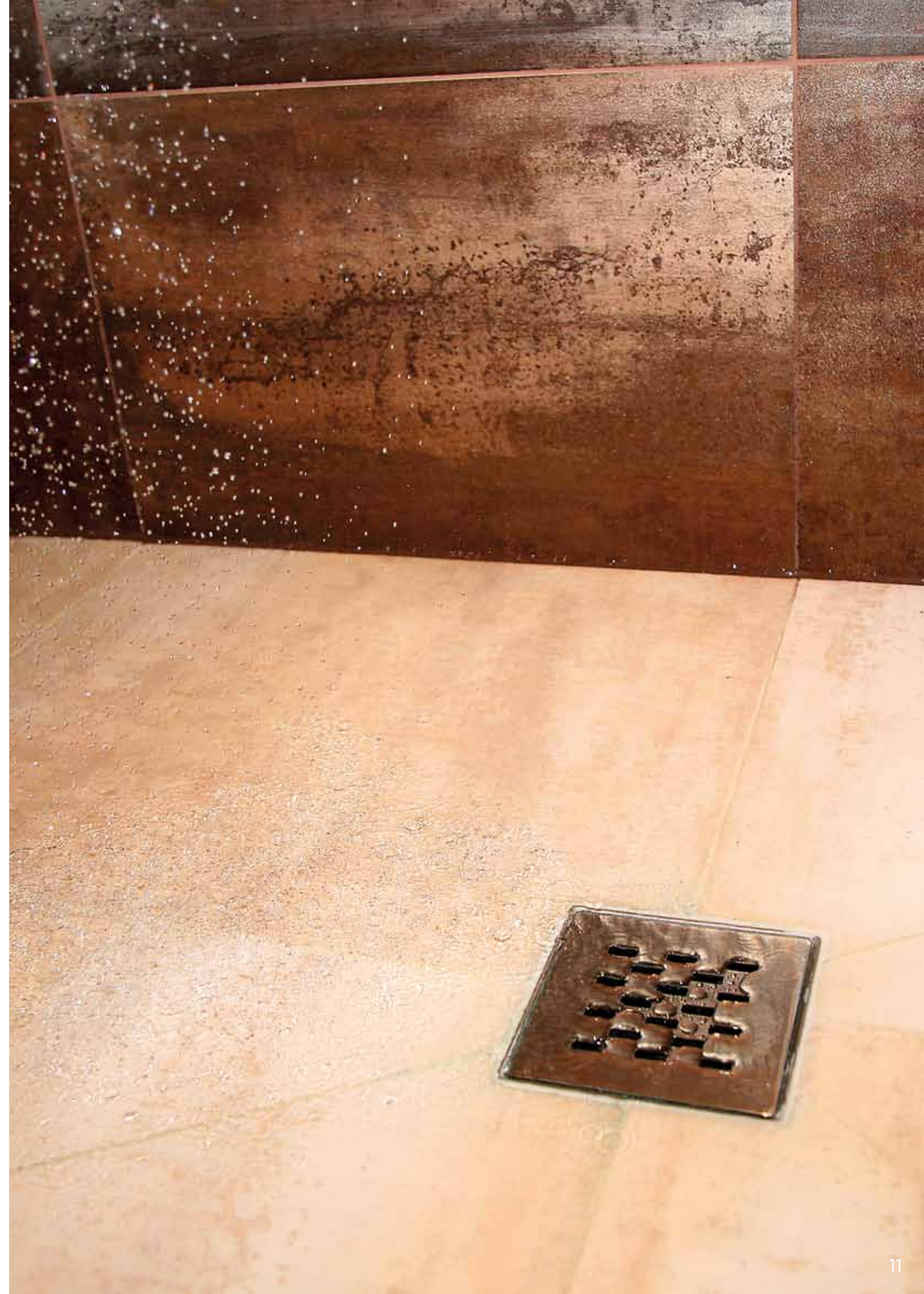
WALK IN BATHROOM LUXURY

WITH OUR INNOVATIVE PRODUCTS, PRACTICAL TO INSTALL AND SUITABLE FOR ANY SPACE, IT'S ONLY YOUR IMAGINATION THAT HOLDS YOU BACK.

A diamond shaped tray with two waste outlets for a luxurious two-person shower space... a large eye shaped tray to fit the curved walls of a sweeping contemporary wet room... the possibilities are endless.

We take the headaches out of your project and adapt our unique technology to fit the most demanding spaces. Computerised machinery generates each bespoke shower tray, or 'former', accurate to within a 10,000th of an inch. This level of accuracy guarantees a perfect, watertight fit, and every aspect of the installation process is thought through, removing many of the complexities and costs associated with construction, making installation easy. Delivered within 5 to 7 working days, the formers come with a lifetime guarantee.

OTL birch plywood formers are supplied ready to install on any substrate including timber, screed and floating floors. In addition to custom formers there are also eight standard sizes ranging from 800mm x 800mm to 1700mm x 800mm available for next day delivery.



STOCK SIZE/BESPOKE WET ROOM FORMERS FOR TILED FLOORS

OTL 8 W/R
Dimensions: 800mm x 800mm
Can be trimmed up to 25mm on all sides.

OTL 9 W/R
Dimensions: 900mm x 900mm
Can be trimmed up to 30mm on all sides.

OTL 1050 W/R
Dimensions: 1050mm x 1050mm
Can be trimmed up to 30mm on all sides.

OTL 12/9 W/R
Dimensions: 1200mm x 900mm
Can be trimmed up to 30mm on all sides.

OTL 1200 W/R
Dimensions: 1200mm x 1200mm
Can be trimmed up to 30mm on all sides.

OTL 13/8 W/R
Dimensions: 1300mm x 800mm
Can be trimmed up to 30mm on all sides.

OTL 15/9 W/R
Dimensions: 1500mm x 900mm
Can be trimmed up to 50mm on all sides.

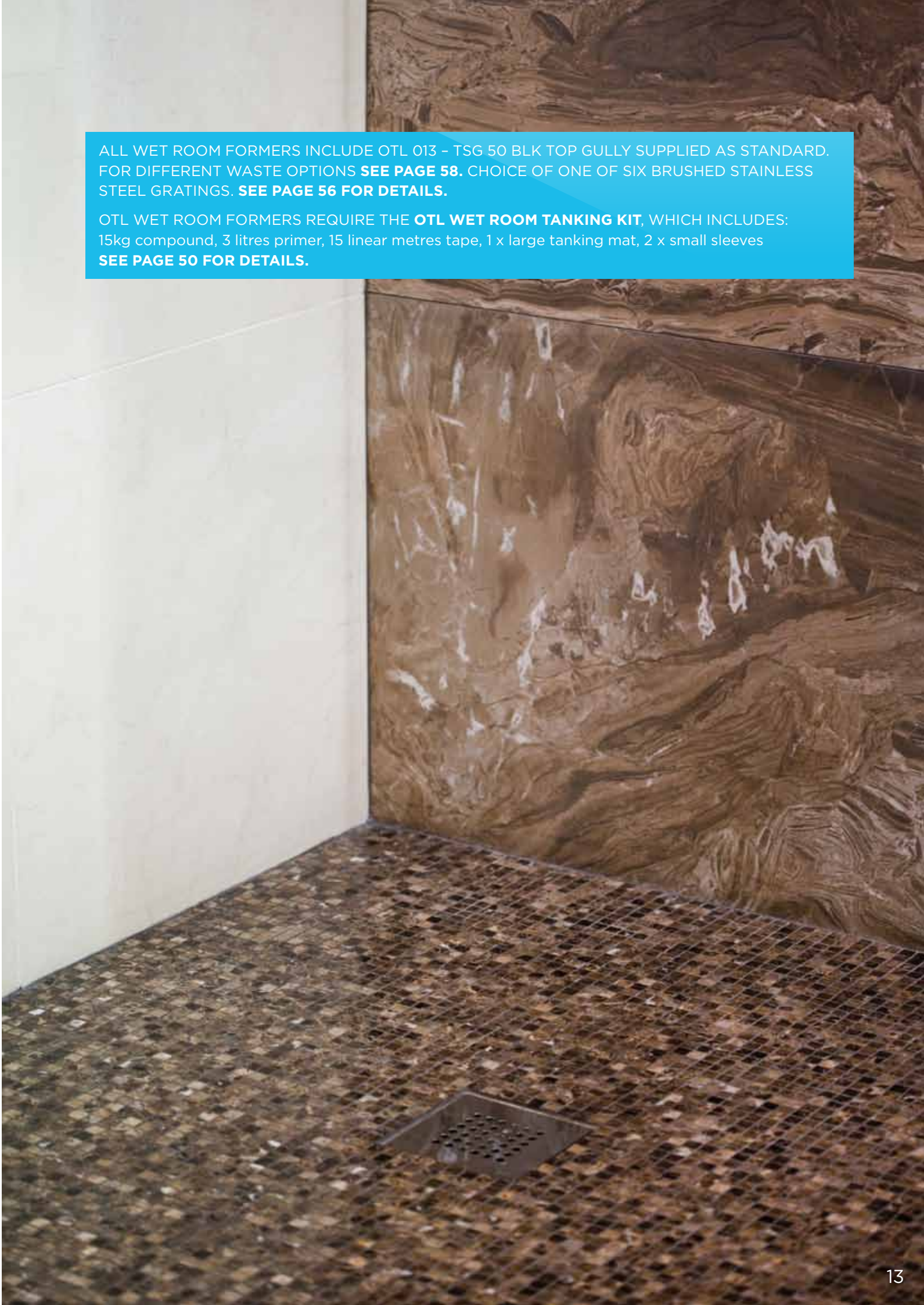
OTL 17/8 W/R
Dimensions: 1700mm x 800mm.
Can be trimmed up to 50mm on all sides.

BESPOKE WET ROOM FORMERS

Code	Up to width	Up to length
OTL 009	1200mm	1200mm
OTL 010	1800mm	900mm
OTL 011	1800mm	1800mm

ALL WET ROOM FORMERS INCLUDE OTL 013 – TSG 50 BLK TOP GULLY SUPPLIED AS STANDARD. FOR DIFFERENT WASTE OPTIONS **SEE PAGE 58**. CHOICE OF ONE OF SIX BRUSHED STAINLESS STEEL GRATINGS. **SEE PAGE 56 FOR DETAILS**.

OTL WET ROOM FORMERS REQUIRE THE **OTL WET ROOM TANKING KIT**, WHICH INCLUDES: 15kg compound, 3 litres primer, 15 linear metres tape, 1 x large tanking mat, 2 x small sleeves **SEE PAGE 50 FOR DETAILS**.





BESPOKE WET ROOM FORMERS

MEASURING FOR A BESPOKE FORMER

THERE ARE SEVERAL WAYS OF CONSTRUCTING A WET ROOM BUT THERE ARE SOME BASIC PRINCIPLES THAT MUST BE OBSERVED.

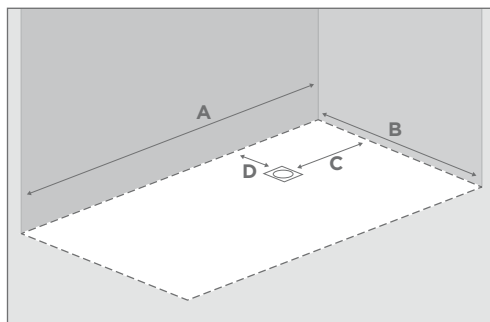
In all cases there must be a gradual slope or fall towards an appropriate shower outlet. The structure must be solid without flexing, and any joint between the construction board must be butted together and well fitting. The body of the shower outlet must be recessed into the floor in such a way that the top section or flange is lower than the surrounding floor area. The OTL system offers the perfect solution.

PLANNING AND MEASURING

There are four measurements needed to manufacture a wet room underfloor shower tray (or former).

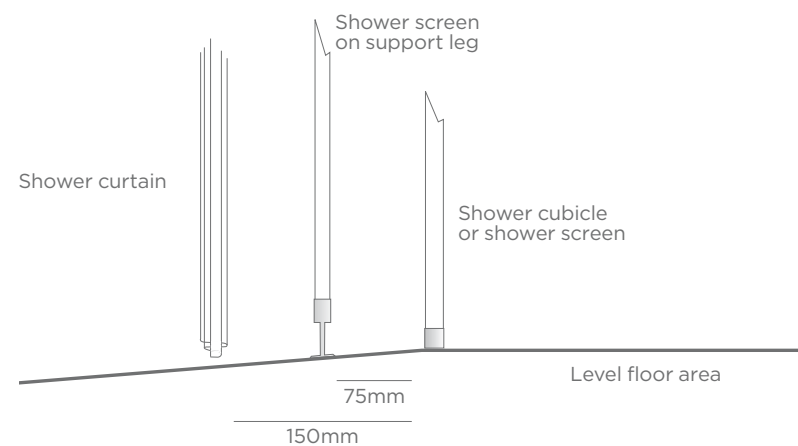
The measurements are:

- A = Length of tray
- B = Width of tray
- C = Centre of waste from width edge
- D = Centre of waste from length edge



CONSIDERATIONS

If the water is contained by a shower curtain, it will be necessary to make the tray larger or the shower area smaller. Water will splash onto the curtain and drop on to the floor, if the floor is level at this point the water will not run towards the waste outlet. To resolve this problem add another 150mm to each open side so the water will drop onto the edge of the fall and run towards the waste outlet. If using a shower screen on a support leg, because it is more rigid, it can be positioned nearer the edge of the fall. (See Suggested Layout below).



SUGGESTED LAYOUT:
For cubicle or shower screen – shower screen on leg – shower curtain

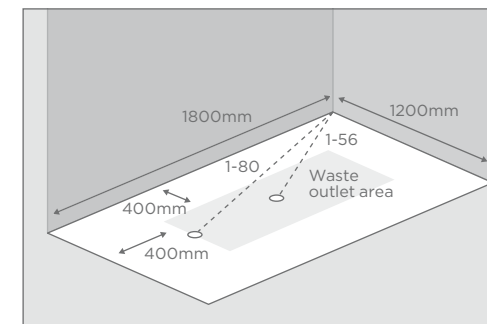


WASTE OUTLET

The waste outlet should be positioned in the centre of the tray or near the showerhead. If this is not possible (as there might be joists or other obstructions in the way) it can be positioned off centre. If the proposed outlet is near a joist allow at least 150mm from the edge of the joists to the centre of the trap. On larger trays it is important to position the outlet as near to the centre as possible to ensure a good flow rate.

The trap supplied is capable of handling up to 46Lpm (litres per minute) and should be adequate for most showers. If the shower valve being installed can deliver more than that, then there is the option of installing another gully.

Below is an example of the options for the waste outlet on an 1800mm x 1200mm tray. Although the waste can be positioned anywhere within the shaded area (minimum 400mm centre for any perimeter). As the drawing shows, positioning the trap in the centre of the tray greatly increases the fall. The steeper the fall the faster the water will drain away. All formers irrespective of size or shape have a 17mm fall.



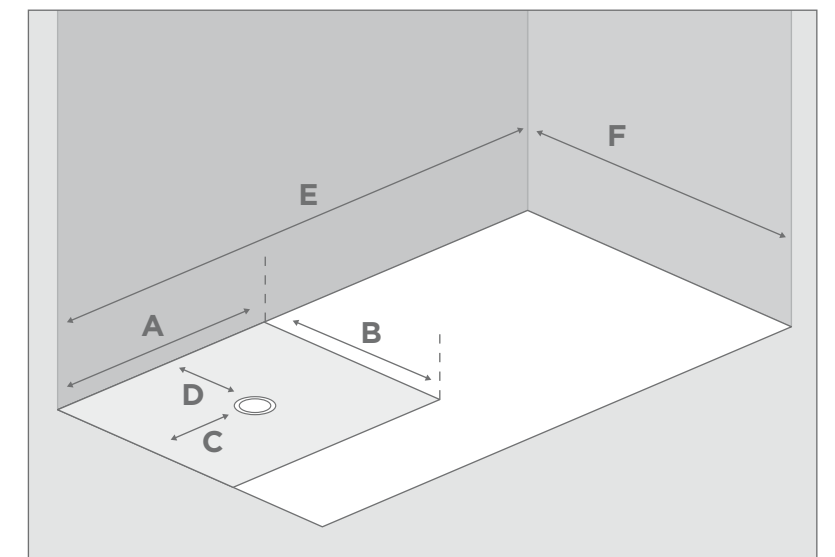
SHOWERS WITHIN A FLOOR AREA

Measuring for a shower area within one piece of material. (2.4m x 1.2m)

It is also possible to form a shower area within one piece of material leaving the rest to install a basin and wc. This will also make a small room easier to fit as one piece of board should cover most of the floor.

There are six measurements needed for this:

- A = Length of shower area
- B = Width of shower area
- C = Centre of waste from width edge
- D = Centre of waste from length edge
- E = Total length of floor (not more than 2440mm)
- F = Total width of floor edge (not more than 1220mm)



IF A LARGER FLOOR AREA IS REQUIRED THIS CAN BE MANUFACTURED TO YOUR SPECIFICATION USING MORE BOARDS AND CAN BE ASSEMBLED TOGETHER USING A TONGUE AND GROOVE JOINT. SEE OUR COMPLETE FLOOR SECTION ON PAGE 46 FOR FURTHER INFORMATION.



LINEAR DRAINAGE SYSTEM DESIGNED FOR ADAPTABILITY

A VERSATILE SYSTEM YOU CAN EASILY CONFIGURE FOR FAULTLESS, WATERTIGHT DRAINAGE IN ANY WET ROOM.

You'll find our complete OTL linear drainage system to be the most versatile on the market. With the option of five different waste outlets, supplied with every accessory you'll need, a perfect job is ensured every time. As with all our products, the new linear drainage system is manufactured to an exceptionally high standard of workmanship and has the versatility to be configured for any wet room.

The complete assembly is made in the UK, giving us full control of the manufacturing process. This allows us to offer you a bespoke service and ensure that every component is produced to the highest quality, delivered to your project site as quickly as possible.

OTL linear drainage systems are supplied complete with a choice of 6 highly polished stainless steel gratings and, as with all our other products there is the option to use our design service.

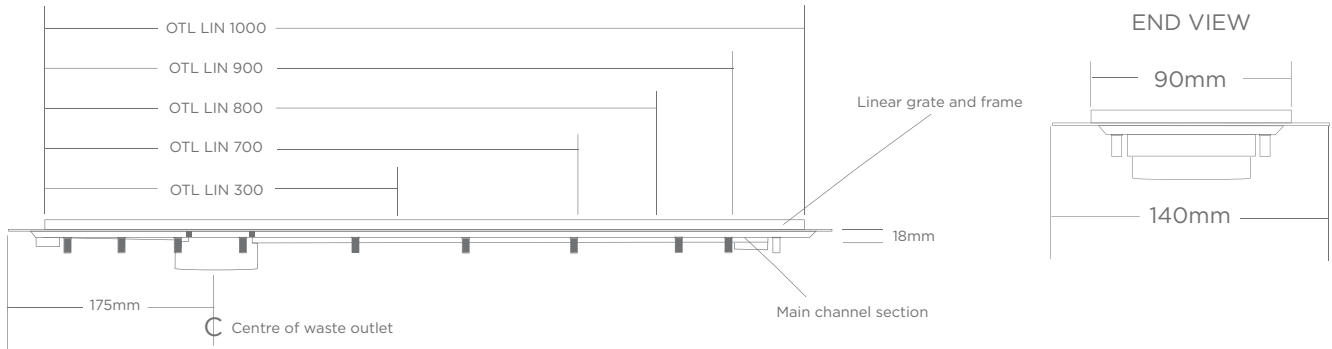
BENEFITS OF THE OTL LINEAR DRAINAGE SYSTEM

- Manufactured from stainless steel
- Preformed gradient ensuring complete drainage of water
- Five different waste options, manufactured in 5 standard sizes
- Screw down clamping ring eliminating the chance of water penetrating back under floor
- Only 18mm high (timber notched out from joists is less than a 15mm central heating pipe)
- Complete with stainless steel fixing/height adjustment screws to support grating frame for easier installation
- Bespoke service available





STOCK SIZE LINEAR DRAINS



OTL Ref	Grating length	Overall main channel length
OTL LIN 300	300mm	350mm
OTL LIN 700	700mm	750mm
OTL LIN 800	800mm	850mm
OTL LIN 900	900mm	950mm
OTL LIN 1000	1000mm	1050mm

CUSTOM MADE LINEAR DRAINS

Due to the increasingly diverse nature of wet room designs, we have introduced a service for providing bespoke linear drains. In addition to the five stock sizes we can also produce drains in any length and with multiple outlets if required to handle a greater volume of water. This gives the designer, architect and developer maximum versatility when designing showering areas.

The standard H/O gully supplied with all linear channels is the **OTL TSG50 LN**

The standard vertical outlet supplied with linear channels is the **OTL TSG2 LN**

Increasing the length of a channel and adding another outlet doubles the flow rate of water from 46LPM to 92LPM

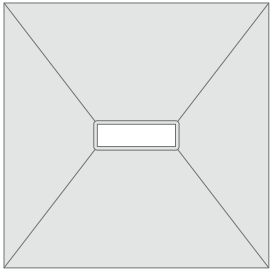


LINEAR STOCK SIZE FORMERS

SINGLE ENTRY FORMERS FOR OTL 300 LINEAR CHANNEL

Code	Width	Length	Linear drain
OTL LIN 300 SE 9/9	900mm	900mm	OTL LIN 300
OTL LIN 300 SE 9/12	900mm	1200mm	OTL LIN 300
OTL LIN 300 SE 10/10	1000mm	1000mm	OTL LIN 300
OTL LIN 300 SE 12/12	1200mm	1200mm	OTL LIN 300
OTL LIN 300 SE 18/9	900mm	1800mm	OTL LIN 300

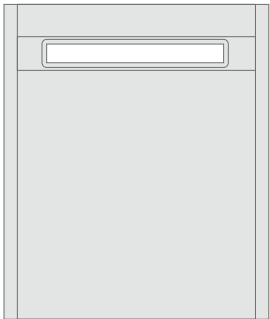
OTL LIN 300 SE formers are supplied without a trimming edge.



SINGLE ENTRY FORMERS FOR OTL 700, 800, 900 AND 1000 LINEAR CHANNELS

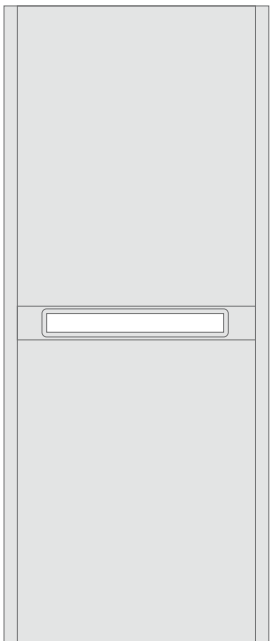
Code	Width	Length	Linear drain
OTL LIN SE 8/10	800mm	1000mm	OTL LIN 700
OTL LIN SE 9/10	900mm	1000mm	OTL LIN 800
OTL LIN SE 9/12	900mm	1200mm	OTL LIN 800
OTL LIN SE 9/135	900mm	1350mm	OTL LIN 800
OTL LIN SE 9/15	900mm	1500mm	OTL LIN 800
OTL LIN SE 10/10	1000mm	1000mm	OTL LIN 900
OTL LIN SE 10/12	1000mm	1200mm	OTL LIN 900
OTL LIN SE 12/10	1200mm	1000mm	OTL LIN 1000
OTL LIN SE 12/12	1200mm	1200mm	OTL LIN 1000

Formers 1200mm wide have a trimming area of 10mm each side.



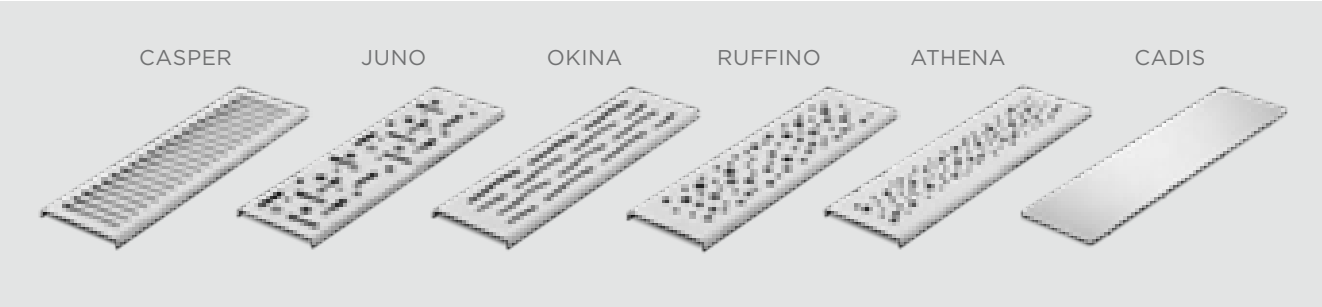
DOUBLE ENTRY FORMERS FOR OTL 700, 800, 900 AND 1000 LINEAR CHANNELS

Code	Width	Length	Linear drain
OTL LIN DE 8/24	800mm	2400mm	OTL LIN 700
OTL LIN DE 9/24	900mm	2400mm	OTL LIN 800
OTL LIN DE 10/24	1000mm	2400mm	OTL LIN 900
OTL LIN DE 12/24	1200mm	2400mm	OTL LIN 1000



OTL WET ROOM FORMERS REQUIRE THE **OTL LINEAR TANKING KIT**, WHICH INCLUDES: 15kg compound, 3 litres primer, 15 linear metres tape, 1 x linear tanking mat, 2 x small sleeves
SEE PAGE 50 FOR DETAILS

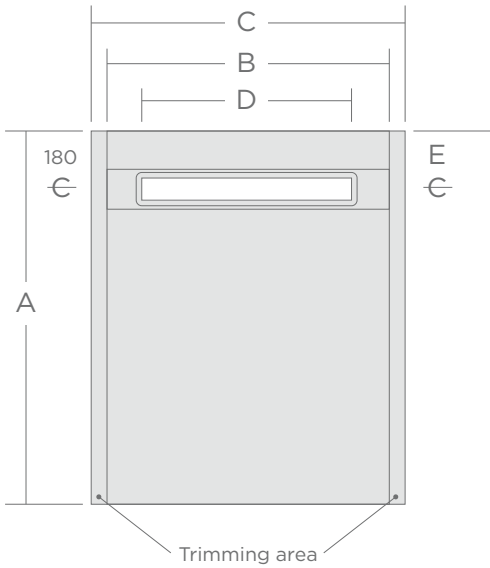
CHOOSE FROM THE 6 GRATING STYLES BELOW TO COMPLEMENT YOUR BATHROOM DESIGN.



MEASURING FOR A BESPOKE LINEAR FORMER

There are five measurements we require.

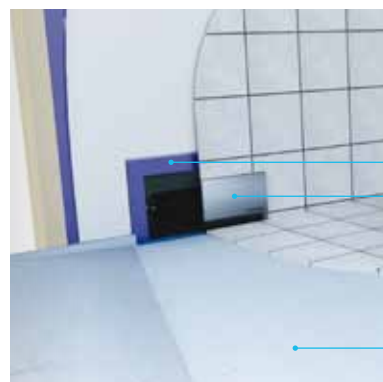
- A = Length of former
- B = Width of former (excluding trimming area)
- C = Width of former including trimming areas
- D = Length of linear drain
- E = Centre of linear drain from edge of former (nearest centre measurement from edge is 180mm)



BESPOKE LINEAR FORMERS

Code	Up to width	Up to length
OTL 009 LN	1200mm	1200mm
OTL 010 LN	1800mm	900mm
OTL 011 LN	1200mm	2400mm





Geberit Duofix shower frame
Stainless steel drain cover

OTL shower floor former

DYNAMIC DUO

GEBERIT DUOFIX AND OTL FORMER

OTL HAS RECENTLY DESIGNED AND DEVELOPED A NEW RANGE OF FORMERS TO COMPLEMENT THE GEBERIT DUOFIX SHOWER FRAME.

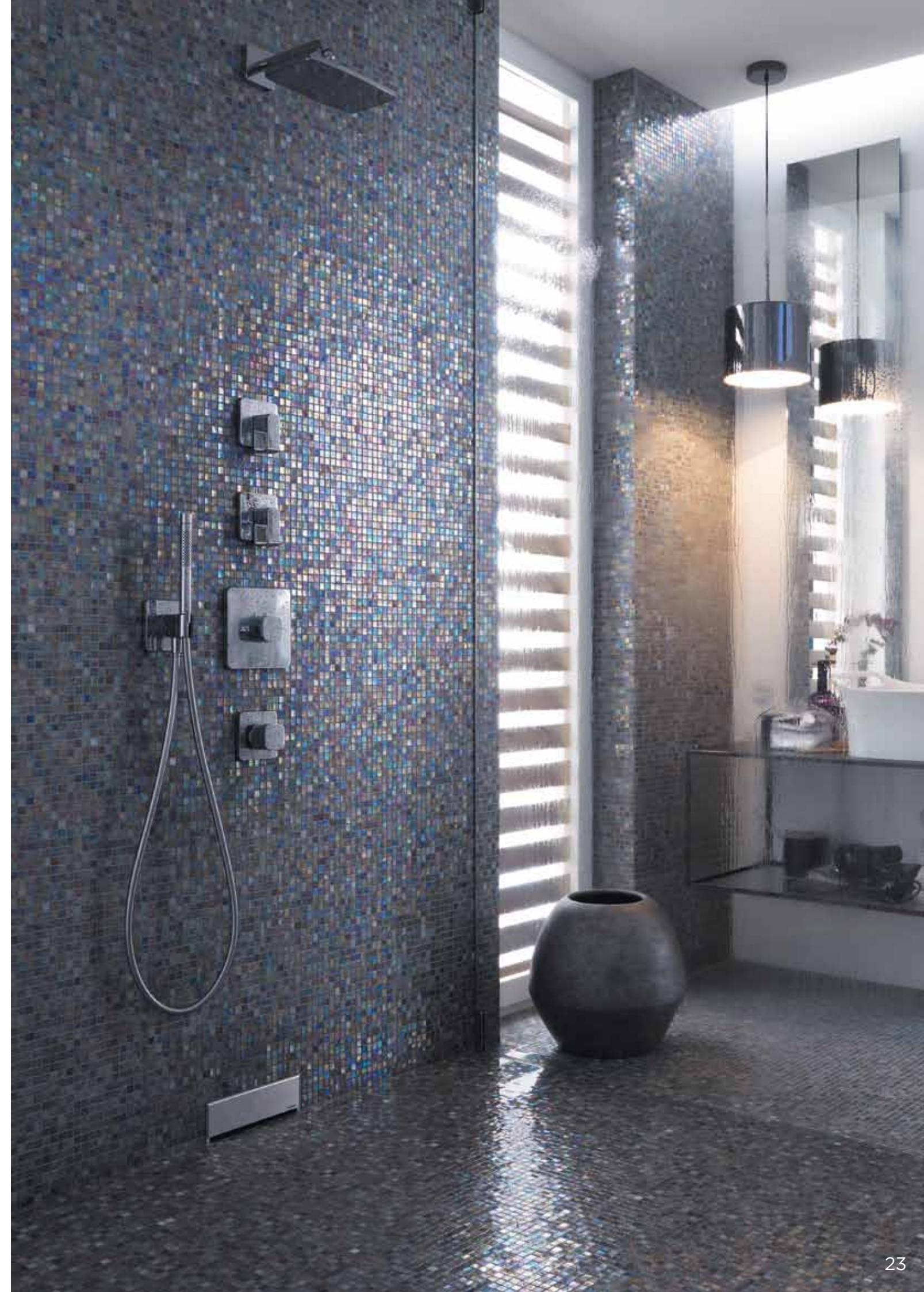
The unique former, manufactured in five sizes from top quality birch plywood, has a specially designed three-way fall to ensure that it works perfectly with the Duofix.

The Geberit Duofix is an innovative shower element for wet rooms which is integrated into the wall at floor level. The result is a shower area with no visible drain and a stunning expanse of uninterrupted floor, creating a visually appealing space in a minimal style. Also, a Duofix wet room has clear advantages in terms of easier installation, especially of tiles and under floor heating.



The key benefits of the new OTL former for the Geberit Duofix are:

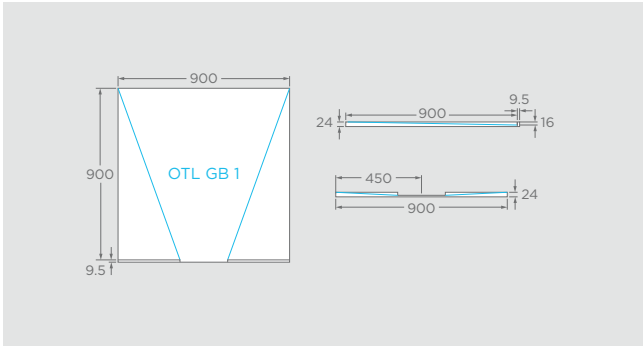
- It is only 24mm thick.
- It is manufactured in the UK from birch plywood, one of the most dimensionally stable plywoods available.
- It is suited to most types of floor construction, including timber floors, TJI joists, cassette, block and beam and many other types of floor construction.
- Install with an OTL tanking kit for complete peace of mind.
- There are no preformed fixing holes; it can be secured by the installer wherever required.
- It can be trimmed easily on three sides up to 50mm.
- It can be scribed into any awkward angle.
- It is builder friendly/user friendly/environmentally friendly. The birch is sourced from suppliers backed by PEFC comprehensive certification.
- It has a lifetime guarantee.



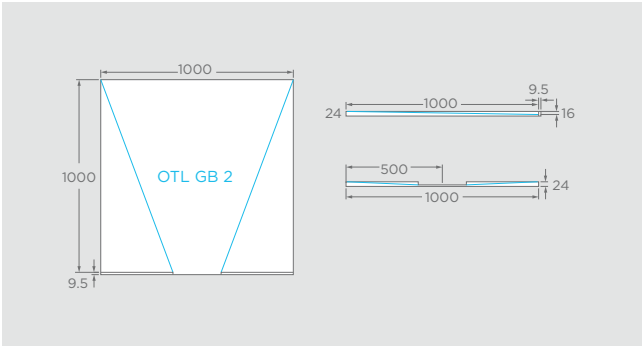
DYNAMIC DUO

GEBERIT DUOFIX AND OTL FORMER

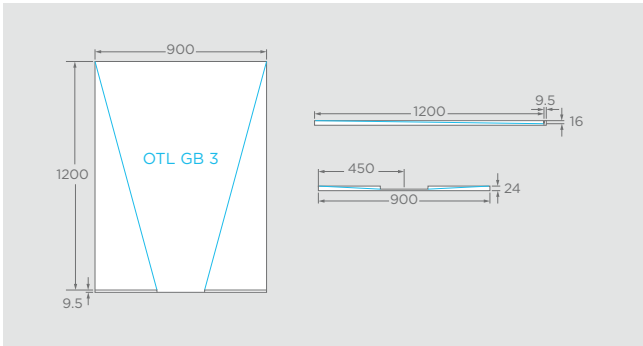
STOCK SIZE FORMERS FOR THE GEBERIT SHOWER FRAME.



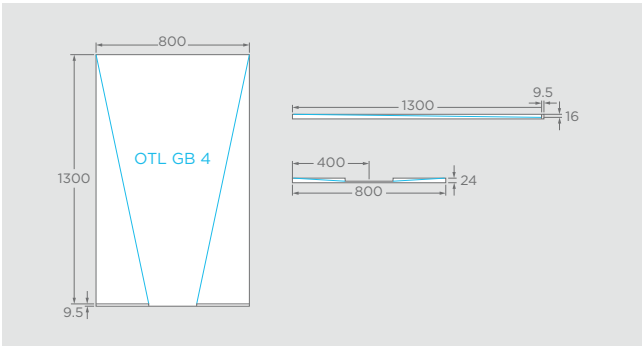
OTL GB 1 - WALL SHOWER DRAIN FORMER
Dimensions: 900mm x 900mm



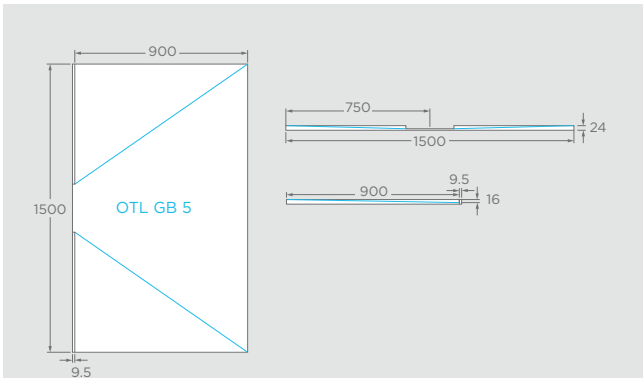
OTL GB 2 - WALL SHOWER DRAIN FORMER
Dimensions: 1000mm x 1000mm



OTL GB 3 - WALL SHOWER DRAIN FORMER
Dimensions: 1200mm x 900mm



OTL GB 4 - WALL SHOWER DRAIN FORMER
Dimensions: 1300mm x 800mm

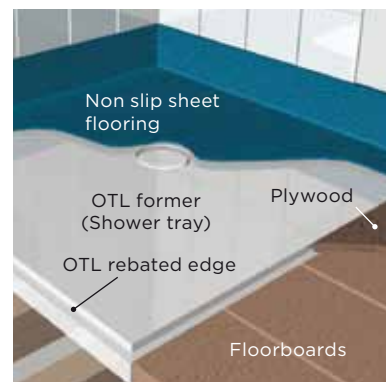


OTL GB 5 - WALL SHOWER DRAIN FORMER
Dimensions: 1500mm x 900mm

THE GEBERIT DUOFIX AND OTL FORMER REQUIRE THE **OTL GEBERIT TANKING KIT**, WHICH INCLUDES: 8kg compound, 1 litres primer, 10 linear metres tape, 1 x internal corner, 2 x small outlet sleeves
SEE PAGE 50 FOR DETAILS.

MADE TO ORDER ON REQUEST.
QUOTE OTL GBX FOR GEBERIT BESPOKE FORMERS.





LEVEL ACCESS EASE AND CONVENIENCE

LEVEL ACCESS SHOWER ROOMS PROVIDE A SAFE AND ATTRACTIVE SOLUTION FOR PEOPLE OF ALL AGES AND MOBILITIES. OTL'S TECHNICAL SUPERIORITY MAKES INSTALLATION EASIER.

Our patented underfloor shower formers remove many of the complexities and costs associated with construction. Made from a high quality birch plywood, the shower former comes with a lifetime guarantee for total peace of mind. It is easy to install, environmentally friendly, lightweight compared with other materials and can be produced to any required shape or size within 5-7 working days.

Ideally suited for special needs applications such as care homes, hospitals and specially adapted domestic bathrooms, OTL formers are BSI approved for a safe load of more than 60 stone (380kg) and their shallow depth of just 24mm allows them to fit flush into most floor types, including timber substrates. This means that the formers offer the perfect solution for first floor bathroom schemes; in addition to the shallow depth they have a rebated edge which gives an overlap joint with the existing floor boards preventing any movement after installation.

Many architects, surveyors, occupational therapists, local authorities and nursing homes are now familiar with OTL's tried and tested approach to creating level access showers. Our specialists are happy to explain the product and give technical advice, on site if required, to help problem solve and devise solutions for specific projects.

The team can also recommend and supply ancillary products to complete the shower area including drain gullies, full or half height shower doors, choice of curtain rails and curtains. In addition to custom formers there are also twenty standard sizes ranging from 800mm x 800mm to 1800mm x 1800mm available for next day delivery.



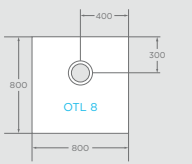
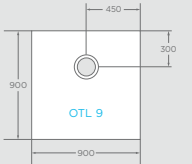
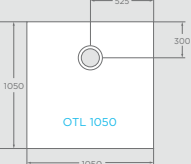
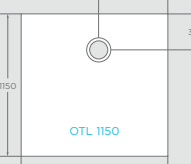
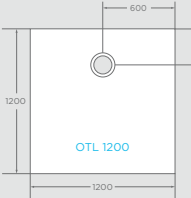
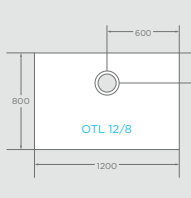
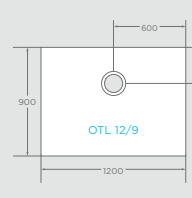
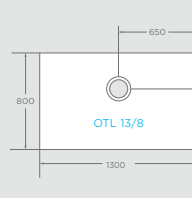
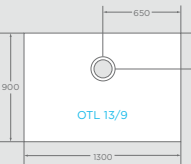
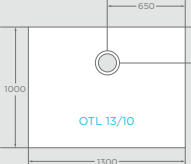
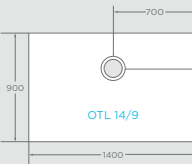
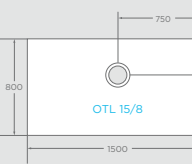
LEVEL ACCESS MAIN BENEFITS:

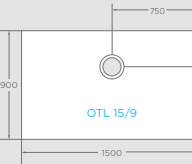
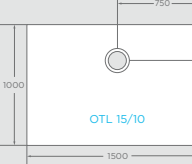
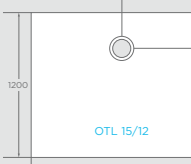
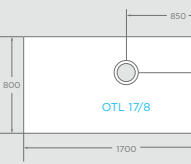
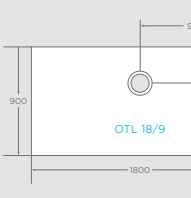
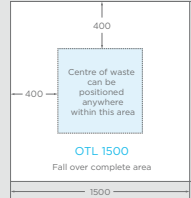
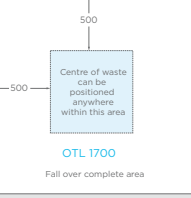
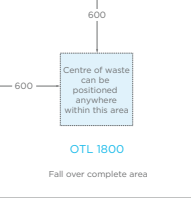
- Large selection of stock sizes for next working day delivery
- Only 24mm thick at perimeter edges
- Rebated edges to give an overlap joint for extra strength
- BSI tested to over 105 stone (6.7Kn)
- Custom made/special order service available (5-7 days)
- Suitable for installation into suspended timber floors /solid floors/floating floors
- Position of waste outlet designed to avoid floor joists with added benefit of relocation (see our made to measure service on page 30)
- No preformed fixing holes, can be secured by the installer wherever required
- Can be easily trimmed up to 50mm off any edge
- Our standard formers can be scribed into any awkward angle.
- Special sizes and shapes made to order (send us your drawing or template)
- Our 1500/1700 and 1800 formers have a fall OVER THE COMPLETE AREA making it easier for wheelchair users and carers
- Builder friendly/user friendly/ environmental friendly. (PEFC Product)
- Can be supplied with a gravity or pumped waste outlet
- Lifetime guarantee

LEVEL ACCESS

STOCK SIZE FORMERS

All formers are supplied with a horizontal outlet gully as standard and include delivery within the UK.

			
OTL 8 Dimensions: 800mm x 800mm Maximum shower area with doors: 775mm x 775mm Maximum shower area with curtains: 700mm x 700mm Door options: 1, 2, 3, 4, 7	OTL 9 Dimensions: 900mm x 900mm Maximum shower area with doors: 875mm x 875mm Maximum shower area with Curtains: 800mm x 800mm Door options: 1, 2, 3, 4, 5	OTL 1050 Dimensions: 1050mm x 1050mm Maximum shower area with doors: 1025mm x 1025mm Maximum shower area with curtains: 950mm x 950mm Door options: 1, 2, 3, 4, 7	OTL 1150 Dimensions: 1150mm x 1150mm Maximum shower area with doors: 1125mm x 1125mm Maximum shower area with curtains: 1050mm x 1050mm Door options: 2, 3, 4, 8, 9, 15, 21
			
OTL 1200 Dimensions: 1200mm x 1200mm Maximum shower area with doors: 1175mm x 1175mm Maximum shower area with curtains: 1100mm x 1100mm Door options: 2, 3, 4, 8, 9, 15, 21	OTL 12/8 Dimensions: 1200mm x 800mm Maximum shower area with doors: 1175mm x 775mm Maximum shower area with Curtains: 1100mm x 700mm Door options: 2, 3, 4, 9, 11, 21, 22	OTL 12/9 Dimensions: 1200mm x 900mm Maximum shower area with doors: 1175mm x 875mm Maximum shower area with curtains: 1100mm x 800mm Door options: 2, 3, 4, 9, 11, 21, 22	OTL 13/8 Dimensions: 1300mm x 800mm Maximum shower area with doors: 1275mm x 775mm Maximum shower area with curtains: 1200mm x 700mm Door options: 3, 4, 9, 11, 15, 21, 22
			
OTL 13/9 Dimensions: 1300mm x 900mm Maximum shower area with doors: 1275mm x 875mm Maximum shower area with curtains: 1200mm x 800mm Door options: 3, 4, 9, 11, 14, 19, 21, 22	OTL 13/10 Dimensions: 1300mm x 1000mm Maximum shower area with doors: 1275mm x 975mm Maximum shower area with curtains: 1200mm x 900mm Door options: 14, 15, 16, 17, 19, 21, 22	OTL 14/9 Dimensions: 1400mm x 900mm Maximum shower area with doors: 1375mm x 875mm Maximum shower area with curtains: 1300mm x 800mm Door options: 14, 15, 16, 17, 19, 21, 22	OTL 15/8 Dimensions: 1500mm x 800mm Maximum shower area with doors: 1475mm x 775mm Maximum shower area with curtains: 1400mm x 700mm Door options: 3, 4, 9, 11, 14, 15, 16, 17, 18, 19, 20, 21, 22

			
OTL 15/9 Dimensions: 1500mm x 900mm Maximum shower area with doors: 1475mm x 875mm Maximum shower area with curtains: 1400mm x 800mm Door options: 1, 2, 3, 4, 7	OTL 15/10 Dimensions: 1500mm x 1000mm Maximum shower area with doors: 1475mm x 975mm Maximum shower area with curtains: 1400mm x 900mm Door options: 3, 4, 9, 11, 14, 15, 16, 17, 18, 19, 20, 21, 22	OTL 15/12 Dimensions: 1500mm x 1200mm Maximum shower area with doors: 1475mm x 1175mm Maximum shower area with curtains: 1400mm x 1100mm Door options: 3, 4, 9, 11, 14, 15, 16, 17, 18, 19, 20, 21, 22	OTL 17/8 Dimensions: 1700mm x 800mm Maximum shower area with Doors: 1675mm x 775mm Maximum shower area with Curtains: 1600mm x 700mm Door Options: 3, 4, 9, 11, 14, 15, 16, 17, 18, 19, 20, 21, 22
			
OTL 18/9 Dimensions: 1800mm x 900mm Maximum shower area with doors: 1775mm x 875mm Maximum shower area with curtains: 1700mm x 800mm Door options: 3, 4, 9, 11, 14, 15, 16, 17, 18, 19, 20, 21, 22	OTL 1500* Dimensions: 1500mm x 1500mm Maximum shower area with doors: N/A Maximum shower area with curtains: 1400mm x 1400mm	OTL 1700* Dimensions: 1700mm x 1700mm Maximum shower area with doors: N/A Maximum shower area with curtains: 1600mm x 1600mm	OTL 1800* Dimensions: 1800mm x 1800mm Maximum shower area with doors: N/A Maximum shower area with curtains: 1700mm x 1700mm

Gully options are available for stock size formers. All stock size formers are supplied with a TSG 52 (116) WH (horizontal outlet) or TSG2 WH (vertical outlet) as standard. For different waste options including pumped waste outlets (USG1) please see page 58. For shower waste pumps see page 37.

Being a timber product all our trays can be scribed into 'out of square' corners. When positioned against a wall, edges can be trimmed back by up to 50mm. When fitting shower doors, care must be taken to allow for any material removed from the tray.

* Please note: OTL 1500/1700/1800 have a gradient over the complete area. All these sizes are made to order. Because of the large area we suggest a shower curtain and rail if required. For larger floor areas see our complete floors system on page 46.



LEVEL ACCESS CUSTOM MADE FORMERS

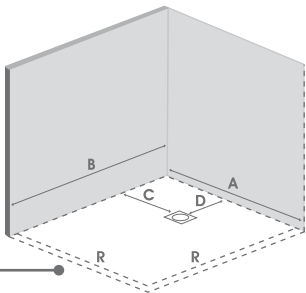
We can manufacture a custom size tray to suit your requirements within 5-7 working days, a particularly helpful service for our regular installers and contractors. We provide technical advice and assistance for new customers unfamiliar with formers and their installation.

Sometimes when the floorboards are removed and you are ready to install a new former, there can be many obstacles in the way, such as central heating pipes, water pipes, gas pipes, change of direction of joists, etc., and calling a tradesman in to redirect pipes can add a lot of unnecessary expense to the job. Our specialists are used to these kinds of problems and we can discuss your situation and usually find a solution.

All we need are a few dimensions:

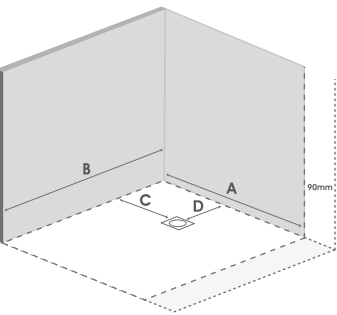
- A = Length of tray
- B = Width of tray
- C = Centre of waste from width edge
- D = Centre of waste from length of tray edge

Rebated edge: if a rebated edge is required, write an R on the appropriate edge. (See example)



Another option we offer is a level area within the tray.

For example if the required size is 900mm square and there is a 90mm gap to the centre of the next joist, add another 90mm to the size of the tray. Indicate on the drawing where the level area is required. (See example)



LEVEL ACCESS CUSTOM MADE FORMERS

Code	Up to width	Up to length
OTL LA35	1200mm	1200mm
OTL LA50	1800mm	900mm
OTL LA75	1800mm	1800mm

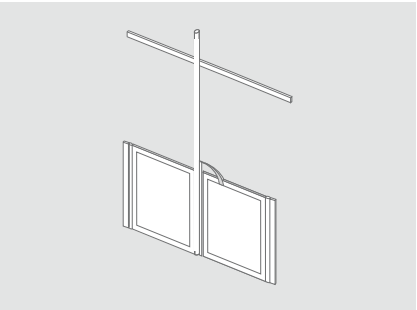


LEVEL ACCESS SHOWER DOORS

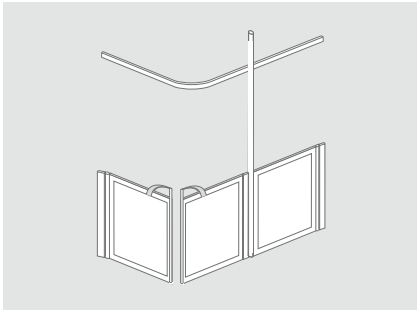
WE UNDERSTAND OUR CUSTOMERS' NEED FOR CHOICE AND OUR RANGE OF UNIVERSAL DOOR CONFIGURATIONS HAS BEEN DESIGNED TO CATER FOR ANY WET FLOOR AREA.

SPECIAL FEATURES INCLUDE:

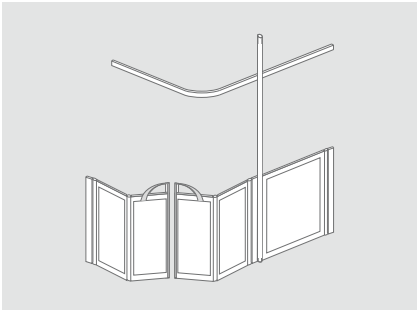
- Half height doors are 750mm high (as standard)
- Full height doors are 1835mm high (as standard)
- Attractive polycarbonate safety glazing (water droplet effect)
- Powder coated aluminium profiles
- Primary hinges are integral 180 degree “rise and fall” (as standard)
- Stainless steel fixings throughout
- All doors are supplied with +/- 15mm compensators
- Dual magnetic sealing strips
- Safety latches as standard



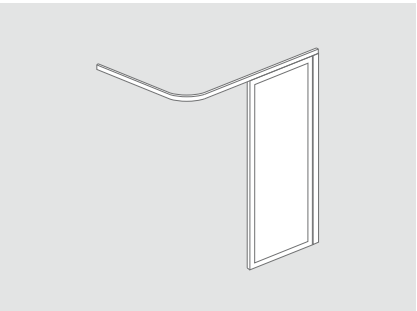
OTL OPT 9
Single half height fixed panel and support post. Single half height door. Straight curtain rail and curtain.



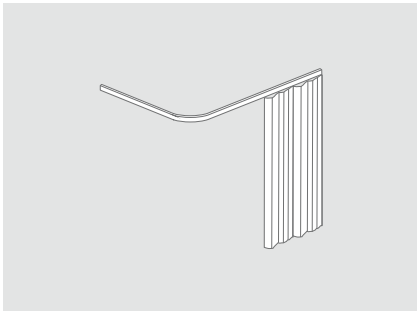
OTL OPT 11
Single half height fixed panel and support post. Pair single doors. L shape curtain rail and curtain.



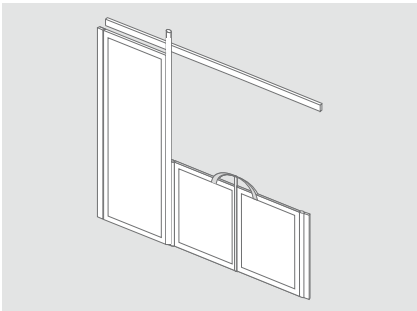
OTL OPT 14
Single half height fixed panel and support post. Pair bifold doors. L shape curtain rail and curtain.



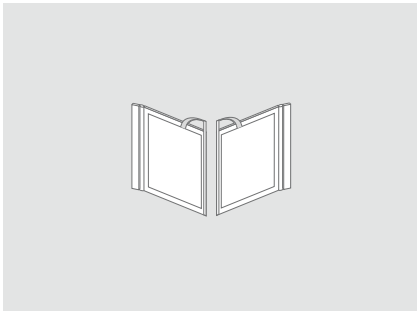
OTL OPT 15
Single full height fixed panel and support post. L shape curtain rail and curtain.



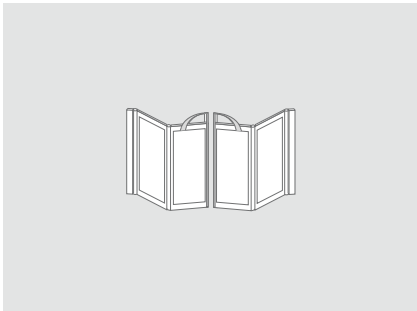
OTL OPT 16
L shape curtain rail and curtain.



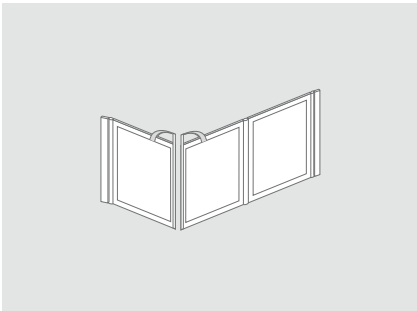
OTL OPT 17
Single full height fixed panel and support post. Single bifold door, straight curtain rail and curtain.



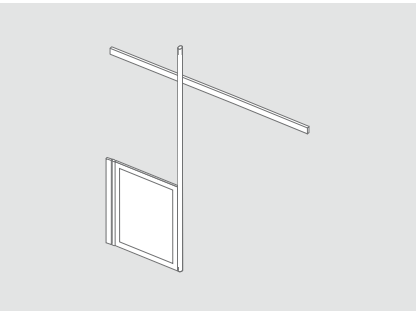
OTL OPT 1
Pair single half height doors across a corner.



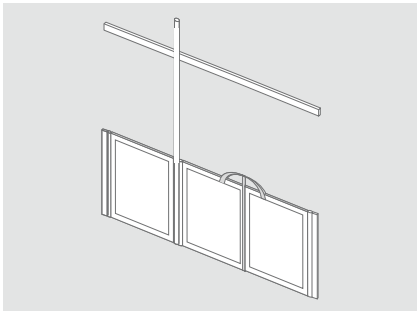
OTL OPT 2
Pair of bifold half height doors across a corner.



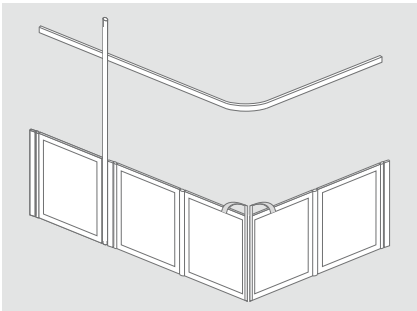
OTL OPT 3
Single half height panel plus a pair of single half height doors across a corner.



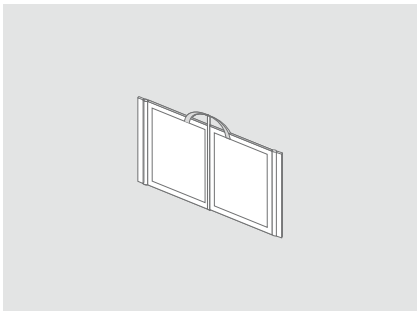
OTL OPT 18
Single half height fixed panel and support post. Straight curtain rail and curtain.



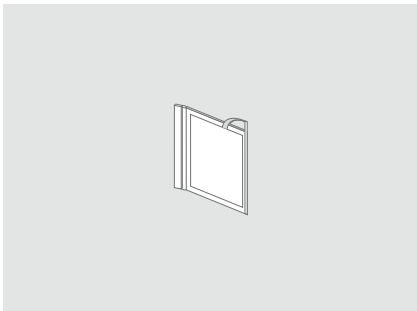
OTL OPT 19
Single half height fixed panel and support post. Single bifold doors, straight curtain rail and curtain.



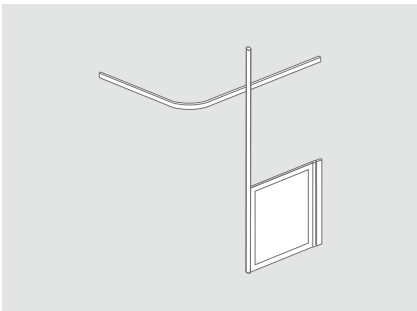
OTL OPT 20
Single half height fixed panel and support post. Pair of bifold doors, L shape curtain rail and curtain.



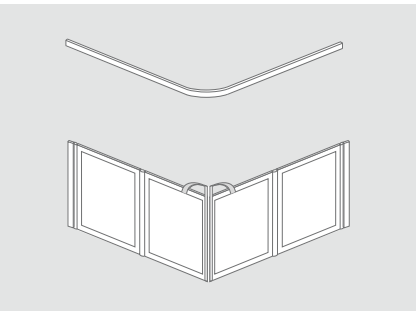
OTL OPT 4
Pair single half height doors across an alcove.



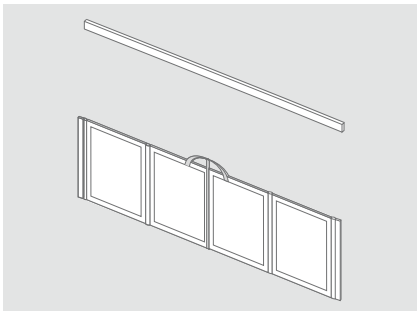
OTL OPT 7
Single half height door across an alcove.



OTL OPT 8
Single half height fixed panel and support post. L shape curtain rail and curtain.



OTL OPT 21
Half height twin bifold doors across a corner L shape shower rail and curtain.



OTL OPT 22
Twin half height bifold doors in line. Straight curtain rail and curtain.

LEVEL ACCESS

SHOWER RAILS AND SCREENS

SHOWER RAILS:

OTL LSR
L shape shower rail

OTL USR
U shape shower rail

OTL SSR
Straight shower rail

PORTABLE CARER SCREENS

Portable carer screens are designed to protect the carer and contain the spray while assisting bathing.

- Can be used on a shower tray or a wet room floor.
- Folds flat for easy storage.
- Available in white or satin.

Standard height 750mm

OTL Ref: C/SDP 2 panels
OTL Ref: C/STP 3 panels
OTL Ref: C/SQP 4 panels

Three standard sizes: 1400mm, 1500mm and 1600mm

Made to measure service also available.

SHOWER CURTAINS (WHITE)

OTL SC 18
1830mm x 1830mm

OTL SC 21
2135mm x 2135mm

LEVEL ACCESS

STABLE DOORS

Stable doors are growing in popularity in households which have multi-users with differing degrees of ability who all require easy access to a shower. They can be fitted in a variety of situations and work well with a wet room floor or a shower tray.

Versatile and practical, stable doors provide a conventional shower enclosure when all parts are closed, but they offer carer access when the upper sections are open.

For ease of access the doors move independently of each other and can be opened 180 degrees, or they can be operated as single doors.

Stable doors, the ideal solution for the whole family.

OTL SD 1
Twin stable doors meeting on corner.

OTL SD 2
Stable door and return panel.

OTL SD 3
Single in line stable door.

OTL SD 4
Single in line stable door with inline panel.



LEVEL ACCESS

SHOWER ACCESSORIES

THERMOSTATIC SHOWER MIXER VALVE WITH LEVER

OTL TS1503ECP-LV



- Single sequential lever control
- Adjustable inlet elbows for easy installation
- Integral check valves and filters
- Compatible with any plumbing system

CONCEALED THERMOSTATIC SHOWER MIXER VALVE WITH LEVER

OTL TS1503CCP-LV



- Single sequential lever control
- Isolation inlets as standard
- Integral check valves and filters
- Flat face unions for ease of maintenance
- Compatible with any plumbing system

SLIDE BAR AND HANDSET

OTL EEVK-CP

- Easy one touch slider mechanism
- Multi-functional handset
- 900mm rail
- 1.75m hose
- Soap dish



MIRA ADVANCE ATL FLEX EXTRA (9.0KW)

OTL Mira ES 1

Safe, precise, thermostatically controlled showering for total peace of mind. Inclusively designed for easy use by everyone. Includes dedicated connection to Whale suction pump for level access installations

- In addition to all features of the Advance Flex version, the Mira Advance ATL Flex 'Extra' has a dedicated connection to a Whale suction pump (Whale pump must be purchased separately – see page 37)
- Ideal for level access installations
- When the shower is turned on, pump starts automatically
- The pump works at variable speeds to match the amount of water the shower is producing to prevent the intake of air and minimize noise
- 'Extra' versions available for: Standard 9.0kW and Flex 9.0kW
- Safe, precise, thermostatically controlled showering
- New 'softened form' aesthetics
- Adjustable Temperature Control (ATL) – 8 different maximum temperature settings
- Inclusive design
- Flex Extra qualifies for the BEAB care mark and RNIB endorsement



LEVEL ACCESS

SHOWER ACCESSORIES

THE WHALE INSTANT MATCH™

OTL WMMP 1

Automatically adjusts the pump speed in relation to the flow rate of the Mira Advance Extra Shower.

KEY BENEFITS

- Quiet gully
- No set-up required – plug and play
- No flow sensor/flow switch to fit
- Whale – reliability is standard

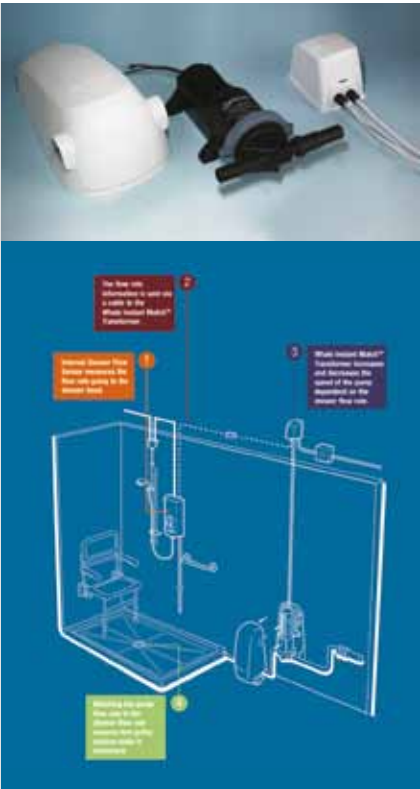
WHALE INSTANT MATCH™

SDP124T Whale Instant Match™ tray gully kit/Mira SDP134T Whale Instant Match™ wet floor gully kit/Mira

Designed for use with:

Mira Advanced ATL

Mira Advanced Extra 9.0kW
Product code: 1.1643.009
Mira Advanced Flex Extra 9.0kW
Product code: 1.1643.010



AUTOMATIC STANDARD/AUTOMATIC WETFLOOR

OTL WGSP 1

Whale just got quieter.

HOW?

- * Pump speed setting for electric and mixer showers
- * Pump slows down after shower is turned off
- * Precision meshing of pump gearing
- * Modern compact aesthetics ensure that the kit blends in subtly to any bathroom
- * For mixer shower installations an additional flow switch and fittings are required Part No. AK1570



EXTRA FLOW SWITCH FOR MIXER SHOWER INSTALLATION

OTL WGFS-1



LEVEL ACCESS

GRP SHOWER TRAYS

SURFACE MOUNT REINFORCED GRP SHOWER TRAYS
(WEIGHT LIMIT 250KG/39 STONE)

STOCK SIZE TRAYS:

- Optional low level ramp
- Non slip surface
- Easy to install
- 40mm wide upstand
- Tray height 35mm
- Suitable for gravity or pumped waste

OTL GRP 8
Tray size: 800mm x 800mm
Internal size: 720mm x 720mm
Screen and door options: 1, 2, 3, 7, 8, 15, 16

OTL GRP 9
Tray size: 900mm x 900mm
Internal size: 850mm x 850mm
Screen and door options: 1, 2, 3, 7, 8, 15, 16

OTL GRP 10
Tray size: 1000mm x 1000mm
Internal size: 940mm x 940mm
Screen and door options: 2, 4, 8, 15, 16

OTL GRP 12
Tray size: 1200mm x 1200mm
Internal size: 1080mm x 1080mm
Screen and door options: 2, 4, 8, 15, 16

OTL GRP 12/7
Tray size: 1200mm x 700mm
Internal size: 1160mm x 660mm
Screen and door options: 5, 6, 8, 9, 10, 11, 15, 16

OTL GRP 13/8
Tray size: 1300mm x 800mm
Internal size: 1260mm x 760mm
Screen and door options: 5, 6, 8, 9, 10, 11, 15, 16

CUT TO LENGTH TRAYS:

- Left or right hand entry options level ramp
- Non slip surface
- Optional low tiling lip to eliminate water leakage
- Upstand 90mm
- Tray height 22mm
- Suitable for gravity or pumped waste
- When ordering please state left or right hand waste outlet

OTL GRP 18/7
Tray size: 1890mm x 760mm
Internal size: 1890mm x 720mm
Screen and door options: 5, 6, 8, 9, 10, 11, 15, 16

CUT TO LENGTH AND WIDTH TRAYS:

- Optional low level ramp
- Non slip surface
- Reinforced throughout to ensure the tray will be level wherever the tray is cut
- Depth of upstand 100mm
- Tray height 35mm
- Suitable for gravity or pumped waste

OTL GRP CWL 1850mm x 1000mm
Tray size: 1850mm x 1000mm
Slip resistant tread. Tested to 250kg (39 stone).
Trimable up to a 100mm (w) and 300mm (l) both ends.
Screen and door options: 4, 5, 6, 8, 16

OTL GRP CWL 1850mm x 900mm
Tray size: 1850mm x 900mm
Slip resistant tread. Tested to 250kg (39 stone).
Trimable up to a 100mm (w) and 300mm (l) both ends.
Screen and door options: 4, 5, 6, 8, 16

OTL GRP CWL 1850mm x 800mm
Tray size: 1850mm x 800mm
Slip resistant tread. Tested to 250kg (39 stone).
Trimable up to a 100mm (w) and 300mm (l) both ends.
Screen and door options: 4, 5, 6, 8, 16

FOR SCREEN AND DOOR OPTIONS - SEE PAGES 32-34



OTL GRP
8/9/10/12



OTL GRP
12/7 and 13/8



OTL GRP
18/7



OTL GRP CWL
1850 - 1250



LEVEL ACCESS

HAND RAILS AND SUPPORTS

SOLO GRAB BAR

A well priced, quality handrail with traditional flanges. Rounded ends mean no sharp corners for improved user safety compared to traditional grab bars. Finished in a high quality epoxy resin material for resilience to the elements making it an ideal choice for interior and exterior applications alike.

- Tough white epoxy finish
- Round flanges for improved safety and aesthetics
- Traditional 3 hole (76mm diameter) flanges
- 32mm diameter for comfortable grip

Colour: White

OTL VY 401 – 300mm Solo grab bar OTL VY 402 – 450mm Solo grab bar OTL VY 403 – 600mm Solo grab bar



SOLO CONTRACT HINGED ARM SUPPORT

Offers excellent value and high levels of safety and is a favourite product for technicians and care professionals where a simple and cost effective solution is required.

- Excellent value
- 750mm long bar
- Simple fold up/ fold down mechanism
- Epoxy coated in white

Colour: White

OTL VY 424



SOLO HINGED ARM SUPPORT

A quality support arm with alloy back plate as standard and can be raised and locked in position enabling it to be used as a dual purpose grab bar and support.

- 127kg (20 stone) weight limit
- Finished in tough white epoxy coating
- Aluminium back plate
- Positive lock system

Colour: White

OTL VY 300 – 775mm Solo HAS OTL VY 301 – 650mm Solo HAS
OTL VY 302 – 600mm Solo HAS



SOLO HINGED ARM SUPPORT WITH LEG

This model has the added advantage of a height adjustable leg support which increases stability and strength. As with the standard model, the arms can be raised and locked in position allowing others to use the toilet.

- 190kg (30 stone) weight limit
- Finished in tough white epoxy coating
- Aluminium back plate
- Positive lock system
- Adjustable leg support as standard

Colour: White

OTL VY 304 – 775mm HAS with leg OTL VY 305 – 650mm HAS with leg
OTL VY 306 – 600mm HAS with leg



LEVEL ACCESS

SHOWER SEATS AND STOOLS

SOLO STANDARD PADDED SHOWER SEAT

The Solo standard padded shower seat, like its sister product, the Solo Standard has a long and well established service history. The seat padding is manufactured from high quality EVA and can easily be removed for cleaning. The padded seat is also vented; this not only improves the grip, but allows for air to pass between the seat and the users skin.

- 190kg (30 stone) weight limit
- All alloy lightweight frame
- Folds up when not in use
- Detachable padded seat
- Simple to install

Colour: White and grey Dimensions: 470mm x 490mm (w x d)

OTL VB 634



25
YEAR
GUARANTEE

SOLO STANDARD SHOWER SEAT

A tried and tested product offering a competitively priced solution without loss of quality or function. The seat is height adjustable enabling it to be set at various heights to suit the user. A fine adjustment leg is fitted to compensate for any variations in the shower tray. The frame is manufactured from aluminium for greater longevity and the injection moulded seat can be removed for easy cleaning.

- 190kg (30 stone) weight limit
- All alloy lightweight frame
- Folds up when not in use
- Simple to install

Colour: White Dimensions: 470mm x 490mm (w x d)

OTL VB 532



25
YEAR
GUARANTEE

SOLO DELUXE PADDED SHOWER SEAT

An excellent solution for long term maintenance free use. The seat and back are generously padded for comfort. The padding is manufactured from high quality EVA and is vented to increase safety and also to allow air to travel between the user's skin and the seat.

- 190kg (30 stone) weight limit
- All alloy lightweight frame
- Folds up when not in use
- Detachable seat and back
- Simple to install

Colour: White Dimensions: 595mm x 545mm (w x d)

OTL VB 535



25
YEAR
GUARANTEE

SOLO DELUXE SHOWER SEAT

One of the most popular shower seats available. It is height adjustable and features fine adjustment legs. The padded arms lift independently enabling safe and controlled transfer to and from the seat. The frame is manufactured from rust free aluminium and the clip-on seat is injection moulded making this product an excellent solution for long term maintenance free use.

- 190kg (30 stone) weight limit
- All alloy lightweight frame
- Folds up when not in use
- Detachable seat and back
- Simple to install

Colour: White and grey Dimensions: 595mm x 545mm (w x d)

OTL VB 539



25
YEAR
GUARANTEE



RESIN FLOORING SYSTEM FOR A SEAMLESS SHOWER AREA

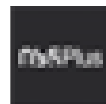
THE OTL RESIN FLOOR SYSTEM ADDS A HIGHLY RESISTANT, EASY-CLEAN OPTION TO THE CURRENT RANGE OF WET ROOM FORMERS.

OTL formers for resin floors are suitable for installation onto most rigid subfloors; including concrete slabs, block and beam, concrete plank flooring, suitable timber supported floors etc., and they are supplied with a full waste support (the waste support is the same size as the former to ensure complete support to the former).

This system has been designed with support from Altro Resins and Resintek Services Ltd and has proved to be quick and easy to install with the added bonus that as soon as the formers are installed they can be coated immediately: being a timber product there is no need to allow for drying times. A resin floor is a tough chemical resistant floor finish which is stronger than concrete. It is produced by a chemical interaction between two polymers.

The resin system forms a seamless, impervious and easily cleaned floor surface that will not harbour bacteria. Inert properties mean that it does not taint, can be steam cleaned (heavy duty) and is resistant to cleaning chemicals.

Ease of cleaning and longevity of resin systems can substantially reduce maintenance costs. A resin quartz flooring system offers the added benefit that it can be laid to follow falls and coved to form skirting detail, plus it offers a wide choice of colours and a highly decorative finish.

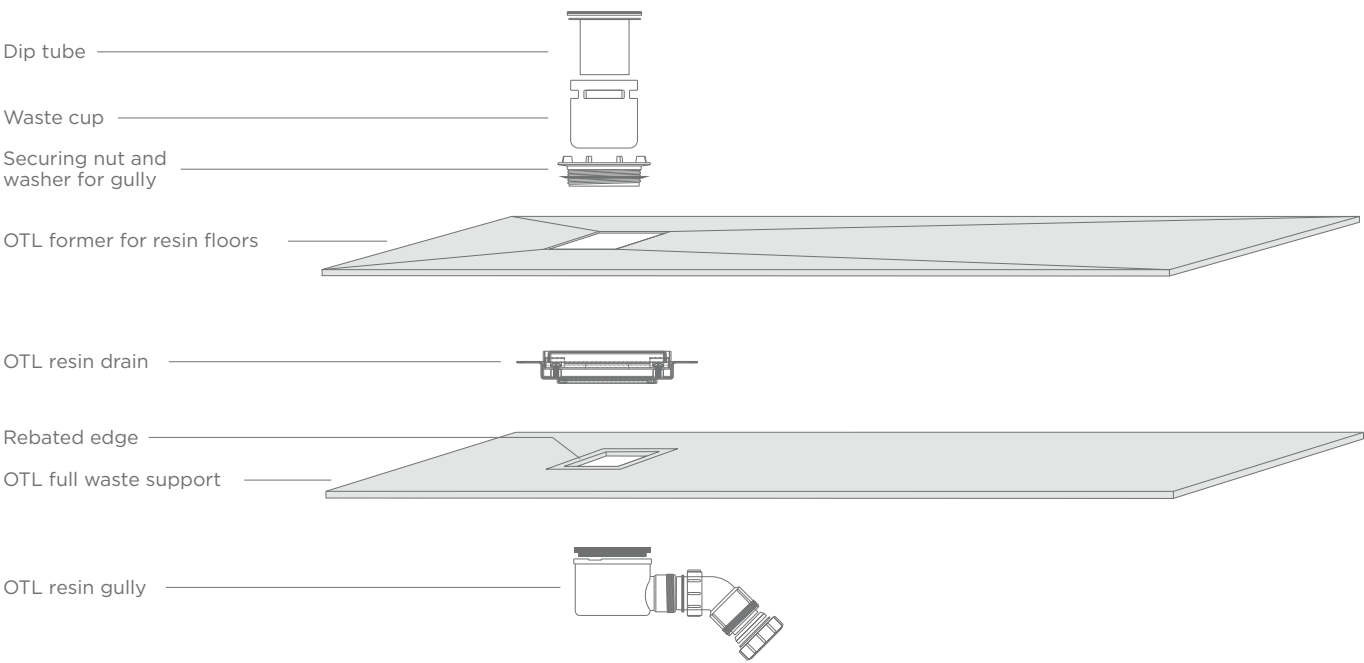


**Architects/
Designers/Builders:**
Visit our website and
download all our
products directly into
your projects through
the RIBA Product
Selector.

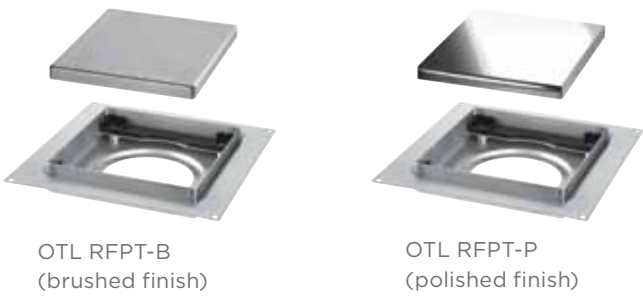


RESIN FLOORING SYSTEM

RESIN FLOOR COMPONENTS



OTL TILE SETS



OTL WATER TRAP



HOW TO MEASURE UP – SEE PAGES 14-15



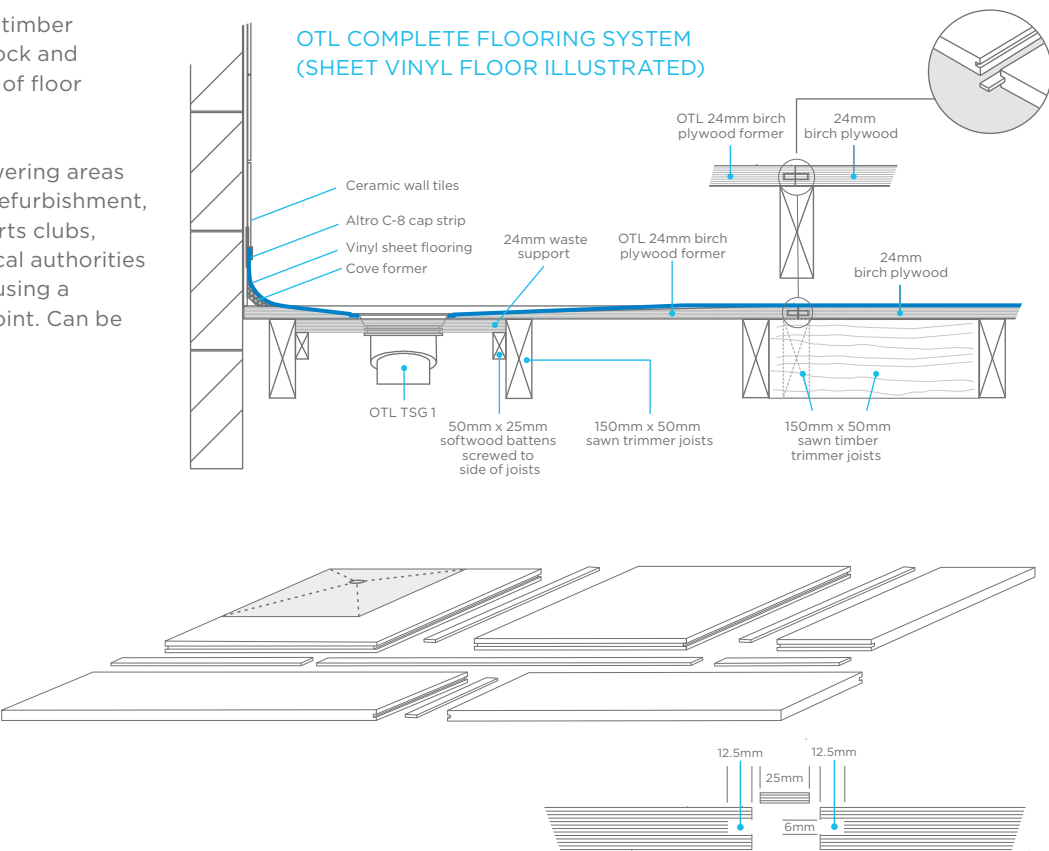


OTL COMPLETE FLOORING SYSTEM FOR ALL TYPES OF FLOOR FINISHES

A COMPLETE MADE TO MEASURE INTERLOCKING FLOORING SYSTEM INCORPORATING A BESPOKE SHOWERING AREA WITH A CHOICE OF WASTE POSITION.

Compatible with suspended timber floors/TJI joists/cassette/block and beam and many other types of floor construction.

Ideal for bathroom and showering areas in new build, pod modules, refurbishment, renovations, alterations, sports clubs, hotels, residential homes, local authorities etc. All boards are installed using a double groove and tongue joint. Can be ordered in singles or bulk.





OTL ALGAS ANTI-LIGATURE GRATING FOR SHEET FLOORING

The OTL ALGAS, an anti-ligature drain cover and trap, has been designed specifically for prison wet areas with sheet flooring. Manufactured for OTL, the unique stainless steel cover plate contains a particular layout of holes that makes tampering impossible.

It is secured into the trap with screws that can only be removed with a specific implement, the shape of which cannot be copied by taking an imprint of the head. The OTL ALGAS has been approved by the Home Office and installed in several custodial developments.



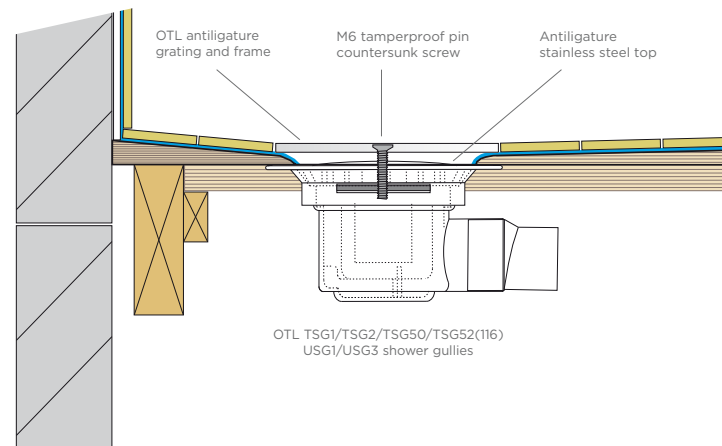
ANTI-LIGATURE TILE CONVERSION KIT TAMPER-PROOF FITTINGS

OTL, HAS DEVELOPED A UNIQUE ANTI-LIGATURE AND ANTI-TAMPER TILE CONVERSION KIT (OTL ALTCK) TO FIT ALL OTL UNDER FLOOR FORMERS FOR TILED WET ROOMS.

The OTL ALTCK tamper-proof drain cover plate and frame has been designed to meet the special requirements of secure environments and is ideal for public areas, police cells, hostels, washrooms and gyms etc.

Made specifically for tiled floors, it is manufactured from 5mm stainless steel with a bead blasted finish and is fitted with an M6 tamperproof pinhead countersunk screw. Measuring 155mm square, it can cope with 40 litres of water per minute and is compatible with the following gullies: OTL TSG1/TSG 2/TSG50/TSG52 (116)/USG 1/USG 3.

For more information on this product and the anti-ligature grating for sheet vinyl flooring see our downloads section/technical and installation instructions at www.onthelevel.co.uk





OTL TANKING PRODUCTS

WET ROOM WATERPROOFING

The OTL tanking system has been developed specifically to tackle the problem of leakages from tiled wet room areas. The system can be applied to wood, plasterboard, MDF, concrete screed and most commonly used construction boards. Once applied the OTL tanking system can resist normal movement in the room and will not become brittle with age. Using the system a fully tanked room can be achieved, preventing damage to wall/floor substrates and leakages into the room below.

The OTL tanking compound is a solvent free and silicone compatible sealing compound for flexible sealing of wet rooms, bathrooms and showering areas prior to the application of ceramic tiling. It is suitable for all types of underfloor heating.



OTL WET ROOM TANKING KIT

Kit contents:
 15kg compound
 3 litres primer
 15 linear metres tape
 1 x large tanking mat
 2 x small outlet sleeves
 Covers up to 12m²
 OTL 021



OTL LINEAR WET ROOM TANKING KIT

Kit contents:
 15kg compound
 3 litres primer
 15 linear metres tape
 1 x self adhesive butyl tanking mat
 2 x small outlet sleeves
 Covers up to 12m²
 OTL 021 LN



GEBERIT DUOFIX TANKING KIT

Kit contents:
 8kg compound
 1 litre primer
 10 linear metres tape
 1 x internal corner
 2 x small outlet sleeves
 Covers up to 8m²
 OTL GB tanking system

INDIVIDUAL TANKING PRODUCTS

PRIMER – 3 litres

A solvent free, highly absorbent primer for both porous and non porous surfaces. Applied at the rate of 150g/m²
 OTL 022



LARGE TANKING MAT

Large outlet sleeves are supplied for waste outlets.
 OTL 027



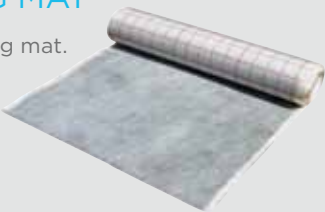
COMPOUND 15kg (12sq.m)

Solvent free, silicone compatible sealing membrane and adhesive supplied as a thick liquid applied in two generous layers at the rate of 300 – 400g/m²
 OTL 025



LINEAR TANKING MAT

Self adhesive butyl tanking mat. 1200mm long.
 OTL BUT



SMALL TANKING SLEEVES

Pre-made with elasticated holes for water outlets.
 OTL 026



INTERNAL CORNER

OTL 028



EXTERNAL CORNER

OTL 029



TANKING TAPE

Fabric reinforced, elastic sealing membrane for wall and floor junctions and other areas subject to stress. OTL sealing tape is based on a cure unplasticised acrylate dispersion with an undercoat fabric border along both sides.



OTL 023
 (100mm x 50m Roll)
 OTL 024
 (100mm x 15m Roll)

FOR INSTALLATION INSTRUCTIONS AND TECHNICAL DATA SHEET PLEASE VISIT THE DOWNLOADS SECTION ON OUR WEBSITE.

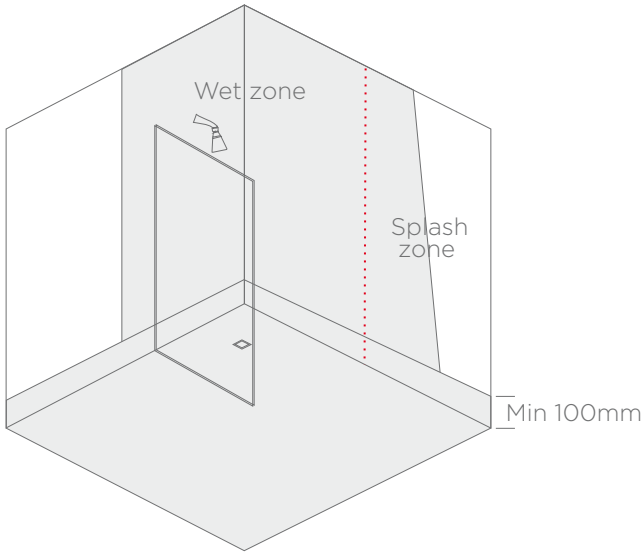
IF ANYTHING IS UNCLEAR OR YOU NEED FURTHER ADVICE PLEASE DO NOT HESITATE TO CALL US ON 01525 373202.

HOW MUCH TANKING DO I NEED?

CALCULATIONS TO WATERPROOF YOUR WET ROOM PROJECT

The complete floor area of the wet room MUST be tanked. The bottom of the walls must be tanked all the way around the room turning up from the floor by a minimum of 100mm.

All walls in the showering area (wet zone) and splash zone (splash zone 600mm past the wet zone) MUST be tanked from floor to ceiling.



TO CALCULATE THE SURFACE AREA TO BE WATERPROOFED

FLOOR AREA

If the floor area of the wet room is rectangular, measure the width in metres x the length in metres.

EXAMPLE A:

This illustration will give you the total area: 2.5m x 1.2m = 3m²

If the floor area is a different shape or there is a curve in the room, for the purpose of calculating the area, section them off to make rectangles or squares, then add the answers together.

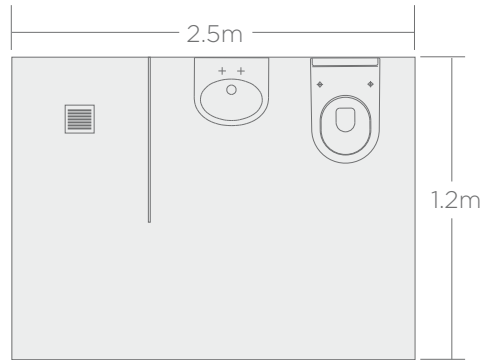
EXAMPLE B:

Area A measures: 1.0m x 1.2m = 1.2m²

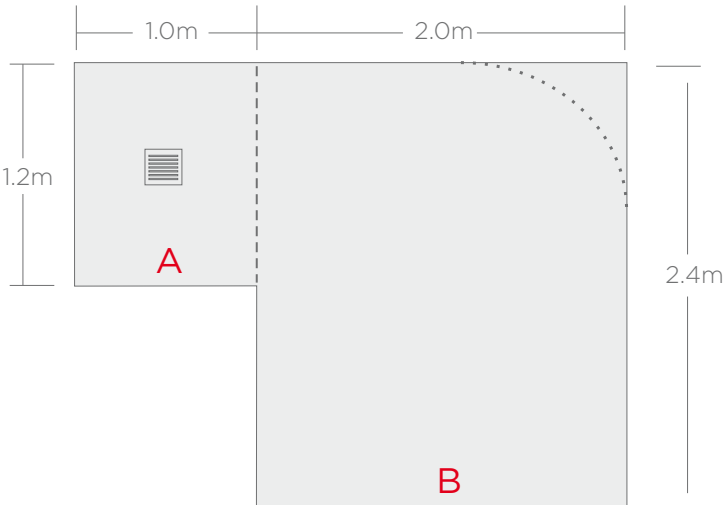
Area B measures: 2.0m x 2.4m = 4.8m²

Total floor area = 1.2m² + 4.8m² = 6m²

EXAMPLE A



EXAMPLE B



WALL AREA

To calculate the area of the walls where the tanking is only returning up the wall a minimum of 100mm (turn up) add the length of every wall in the room together and multiply by 0.1.

EXAMPLE:

2.5m + 1.2m + 2.5m + 1.2m = 7.4 x 0.1 = 0.74m².

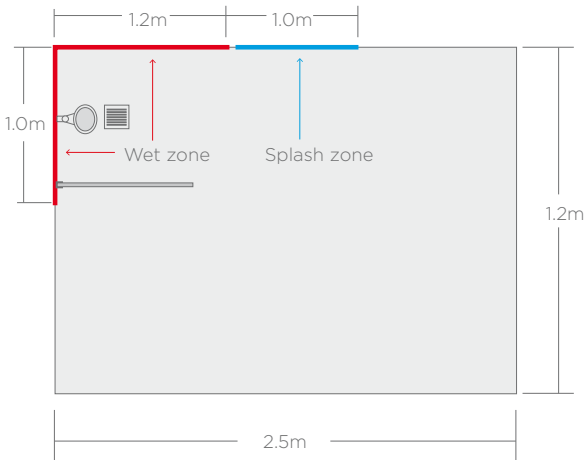
To calculate the WET ZONE wall area where the tanking is going from floor to ceiling in the showering area, measure the length of the wet zone (1.0m + 1.2m = 2.2m by the height of the wall (say for example 2.2m) 2.2m (total length of showering area) x 2.2m (total height of showering area) = 4.84m²).

To calculate the SPLASH ZONE wall area where the tanking is going from floor to ceiling, slope the tanking down towards the 100mm turn up over an additional length of 1.0m (0.5m length of splash zone x 2.2m height of splash zone) length of the splash zone 0.5m x 2.2m = 1.1m².

If a shower screen is to be installed the tanking must finish 100mm past the shower screen. If no screen is fitted the tanking must be angled down towards 600mm from the wet zone to form another splash zone.

From these calculations you can work out the total square metres required to tank your wet room.

Total floor area =	3.00m ²
Total turn up =	0.74m ²
Wet zone =	4.84m ²
Splash zone =	1.1m ²
Total tanking required =	9.68m ²



HOW MUCH TAPE DO I NEED?

You will need enough tape to cover all the joins on the floor, around the perimeter of the room between the floor and the wall and any vertical wall to wall joints in the wet zone and splash zone areas.

EXAMPLE:

4 no. pieces 1.2 linear metres = 4.8 linear metres

2 no. pieces 2.5 linear metres = 5.0 linear metres

1 no. piece 2.2 linear metres = 2.2 linear metres

1 no. piece 1.2 linear metres = 1.2 linear metres

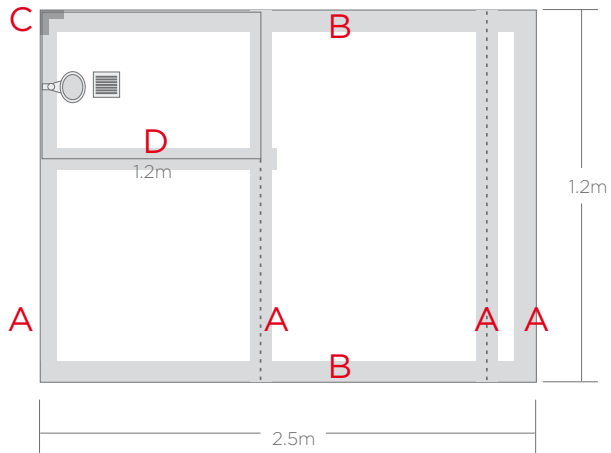
A

B

C (vertical join)

D

Total amount of tape required = 13.2 linear metres



INTERNAL AND EXTERNAL CORNERS

Preformed internal and external corners are purpose made for detailing the jointing tape through a 90 degree angle.

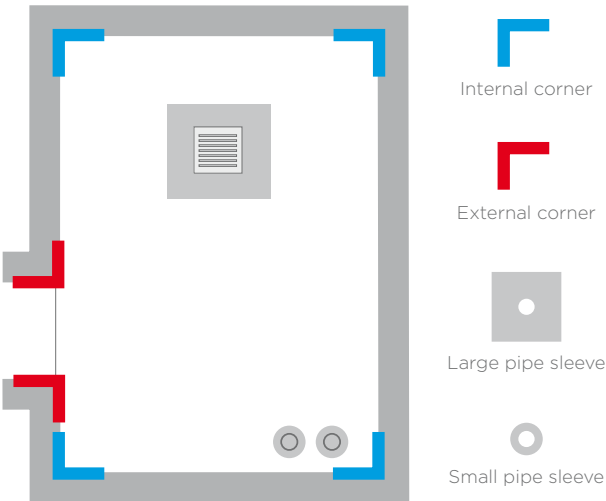
To calculate the number of corners required count the number of angles in your wet room. This illustration shows the amount required is 4 no. internal and 2 no. external corners.

LARGE PIPE SLEEVE

Large pipe sleeves are used to form a seal between the drain outlet and tanking material on the wet room floor.

SMALL PIPE SLEEVE

Small pipe sleeves are used to form a seal between the hot and cold water pipes where they penetrate through the wet room wall or floor.



OTL TANKING SYSTEM

APPLICATION GUIDELINES

THERE ARE SEVERAL WAYS OF CONSTRUCTING A WET ROOM, BUT THERE ARE SOME BASIC PRINCIPLES THAT MUST BE OBSERVED.

1. The floor can either be screeded or constructed from heavy duty wooden sheets such as plywood. But in all cases there must be a gradual slope towards an appropriate shower outlet. The structure must be solid, without flexing, any joints in the construction board must be butted together and well fitting.
2. The body of the shower outlet must be recessed or cast into the floor in such a way that the top of the flange is lower than the surrounding floor, all pipework from the shower outlet must run downwards into drains.
3. All brickwork or blockwork walls should be flush pointed and any damage should be made good prior to using the OTL tanking system.
4. The OTL tanking system cannot be used directly over conventional narrow floorboards; such boards must be replaced or covered with a sheet material such as plywood. Hardboard is not suitable as it is not rigid enough to prevent transfer of movement from the original floor.

PRIMER

OTL tanking system primer can be used as a bonding agent on most absorbent surfaces including plasterboard, plywood, gypsum plasters, MDF etc. The surface must be dry, solid, supportive, as well as free from oil, grease, dust and other separating layers.

Residual adhesives and paint as well as any loose plaster or masonry have to be removed before application. OTL tanking primer must be shaken or stirred thoroughly before use and is then evenly applied using a fur roller, paint brush or a suitable spray gun. When the primer is touch dry the subsequent coatings can be applied.

The temperature during application and drying period must be +5°C minimum and +25°C maximum. The drying period for OTL tanking primer depends on the temperature of the air and the building structure, the

movement and humidity of the air and the absorbency of the substrate. When the temperature is 20°C and the relative air humidity 50% the approximate drying period is 2 hours.

The consumption rate of the OTL primer depends on the absorbency and nature of the substrate. Normally the consumption rates range from 100 to 150g/m². All tools may be cleaned with water immediately after use.

TAPES, SLEEVES AND CORNERS

All wall to wall and wall to floor junctions as well as nail/ screw heads, must be reinforced with OTL tanking tape. In all areas where the tape is needed first apply a generous stripe coat of OTL tanking system compound overlapping the width of the tape by approx 1cm each side.

Press the OTL tanking tape and corners into the still fresh compound, with a hand float, ensure the tape and corners are flat with no raised edges or creases. Any overlaps in the tape should face downwards and should be at least 5cm with a generous coating of compound in between. If not using OTL tanking pre-made corners then at internal corners the tape must be cut from the bottom edge to the middle point and folded in on itself with compound between the overlapping pieces.

For external corners a second piece of tape must be cut, this time from the top edge to the middle, and placed diagonally over the corner overlapping the previous piece with wet compound in between. In this way the two pieces together cover the entire external corner. Special attention must be paid to the very corner point where the two cuts meet. Apply a generous coating of compound at this point. OTL tanking system pipe sleeves are pushed onto the hot and cold water pipes where they penetrate the wall. They are bedded into fresh compound.

The OTL shower outlet sleeve is laid over the fitted shower outlet and an appropriate size hole cut in it with a sharp knife or scissors.

The sleeve dresses down into the body of the outlet. It is normally held in place with a clamping ring supplied with the shower outlet.

For application purposes it is best to remove the clamping ring while you position the sleeve and bed it in a generous layer of compound, taking care to leave an area of 50mm around the waste free of compound. Only after the sleeve is set in place and the compound fully dried should the clamping ring be replaced and tightened.

OTL TANKING SYSTEM COMPOUND

Ensure the primed substrate is clean and dry and free from loose particles or other contaminants. The use of primer is always recommended for absorbent surfaces such as plywood, plasterboard, plaster, screed or brickwork. Non-absorbent surfaces such as old tiles or plastic may need to be abraded before the application of the compound, and in such cases a test application should always be made prior to proceeding.

OTL tanking compound has to be stirred thoroughly before use. Application temperature should be between +5°C and +25°C maximum. Apply with a brush or fur roller in two or three generous coats. Do not “brush out” the compound to thin, but use a brush or roller as a way of spreading it in a thick layer. Each coat should be approx. 300-400g/m².

Each coat has to be completely dry before the next can be applied. This normally takes between 2 and 4 hours. OTL tanking compound is also applied over the top of the previously applied tape, corners and sleeves, so as to give a seamless finish. Compound will not fully cure for approx. two to three weeks, but can be tiled over using a waterproof tile adhesive after the final layer has dried for twenty four hours. OTL compound is a non-hazardous water based product. It should not be subjected to long term “water standing” flood tests until it is fully cured. Spray water testing may be carried out after a min 24 hours.

IF ANYTHING IS UNCLEAR OR YOU NEED FURTHER ADVICE PLEASE DO NOT HESITATE TO CALL US ON 01525 373202.



OTL GRATINGS

FOR LEVEL ACCESS AND WET ROOM FLOORS

BRUSHED STAINLESS STEEL GRATINGS

OTL 1
Slotted

OTL 2
Oval

OTL 3
Round

OTL 4
Pebble

OTL 5
Large circle

OTL 6
Petal

HIGHLY POLISHED GRATINGS

OTL HP1
Slotted

OTL HP2
Swirl

OTL HP3
Round

OTL HP4
Sloped

OTL HP5
Large circle

OTL HP6
Slotted square



DIFFERENT FINISHES AVAILABLE ON REQUEST
GOLD PLATE ILLUSTRATED

FOR LINEAR FLOORS

CASPER

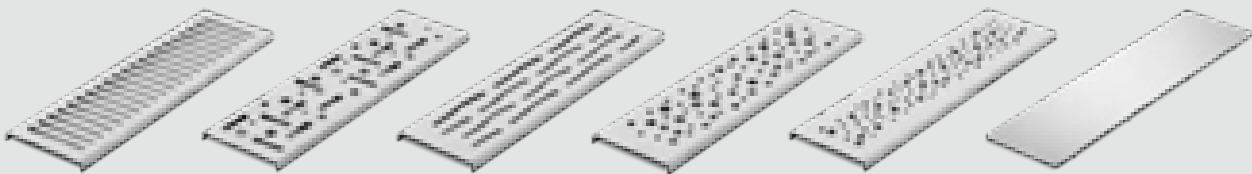
JUNO

OKINA

RUFFINO

ATHENA

CADIS



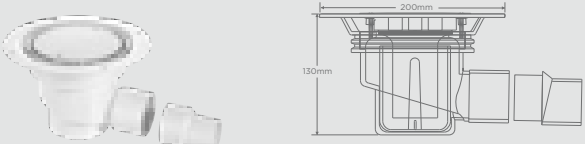
NAME OF GRATING	LENGTH AND CODE OF GRATING				
	300mm	700mm	800mm	900mm	1000mm
CASPER	OTL C3	OTL C7	OTL C8	OTL C9	OTL C10
JUNO	OTL J3	OTL J7	OTL J8	OTL J9	OTL J10
OKINA	OTL O3	OTL O7	OTL O8	OTL O9	OTL O10
ATHENA	OTL A3	OTL A7	OTL A8	OTL A9	OTL A10
RUFFENO	OTL R3	OTL R7	OTL R8	OTL R9	OTL R10
CADIS (upgrade)	OTL CD3	OTL CD7	OTL CD8	OTL CD9	OTL CD10



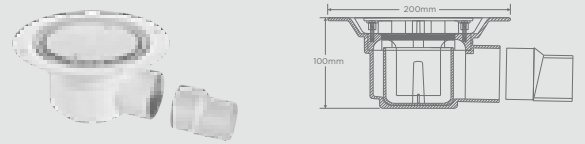
OTL GULLIES

FOR LEVEL ACCESS AND WET ROOM FLOORS

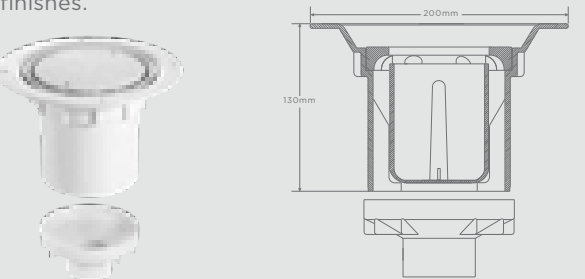
OTL TSG 1 - 75mm trapped shower gully with horizontal outlet. Available in white, black or stainless steel finishes.



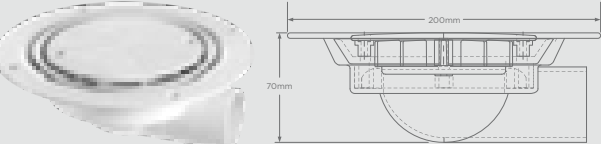
OTL TSG 50 - 50mm trapped shower gully with horizontal outlet. Available in white, black or stainless steel finishes.



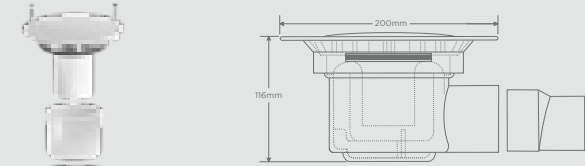
OTL TSG 2 - 75mm trapped shower gully with vertical outlet. Available in white, black or stainless steel finishes.



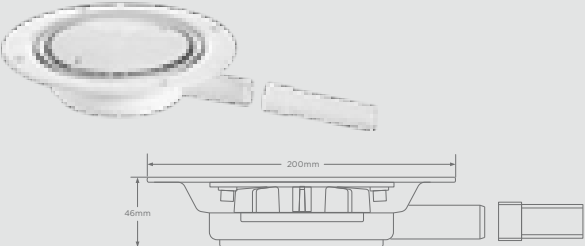
OTL USG 3 - untrapped gully. Available in white, black or stainless steel finishes.



OTL TSG 52 (116) - Two part 50mm trapped shower gully with horizontal outlet. Available in white or stainless steel finishes.

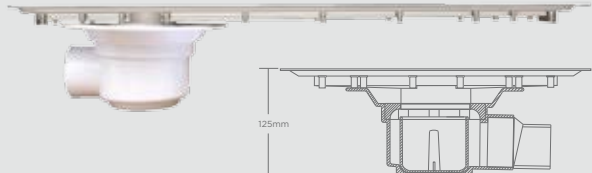


OTL USG 1 - Shallow untrapped shower gully. Only use with shower pump, see page 37. Available in white, black or stainless steel finishes.

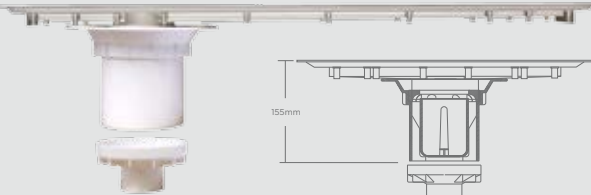


FOR LINEAR FLOORS

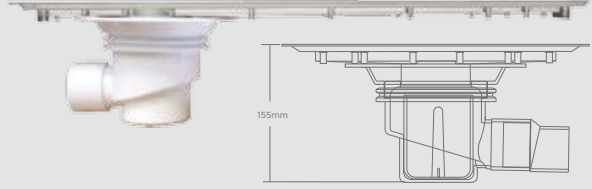
OTL TSG 50 LN



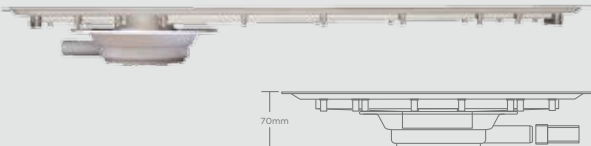
OTL TSG 2 LN



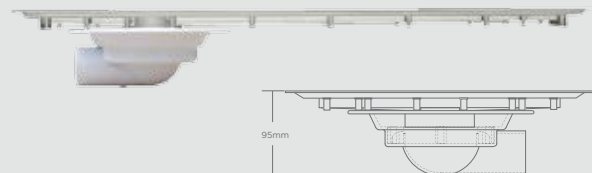
OTL TSG 1 LN



OTL USG 1 LN



OTL USG 3 LN



ACCESSORIES

OTL TSGCG75 for sheet flooring
Compatible with floor gullies:
OTL TSG 1 and OTL TSG 2



OTL TSGCG50 for sheet flooring
Compatible with floor gullies:
OTL TSG 52 (116) and OTL TSG 50



OTL CPTSG WH
Used to seal off a gully or to convert to a drain connection to allow for installation of bath waste. By refitting the cover plate and dip tube the drain reverts to a single gully.



ALSO AVAILABLE WITH ANTILIGATURE TOP



WH White Top



BLK Black Top



SS Stainless Steel Top



ON THE LEVEL

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WET ROOM SOLUTIONS | DRAINAGE | TANKING SYSTEMS | LEVEL ACCESS | ANTI-LIGATURE

On The Level maintain a policy of constant development and reserve the right to alter and improve specifications without notice. Every attempt has been made to ensure the accuracy of description throughout this publication. We accept no liability for misinterpretation. Items are suitable for use as described.