



**aquaDEC**<sup>TM</sup>

Wet room showers for all lifestyles

**impey<sup>uk</sup>**<sup>®</sup>



## WHAT IS AQUA-DEC?

The Impey Aqua-Dec is a complete system that has been designed to allow the simple and cost effective creation of a wet room shower.

We have effectively addressed the three main issues encountered when creating a wet room which are gradient, drainage and waterproofing.

In addition we are also able to offer our unique range of **Cre-B** wet room shower screens together with the Devimat®100 underfloor heating system.

## CHOOSING YOUR AQUA-DEC WET ROOM

Simply choose the correct Aqua-Dec, drainage option and Tilesafe® kit for your wet room. Then if required select from our range of shower screens, enclosures and underfloor heating.

For full ordering information please see page 13.

**aquaDEC** INTRODUCTION



### PAGE 3 GRADIENTS

All Aqua-Dec's have a 17mm gradient to the drainage point. This ensures water flows consistently to the gully providing the installer and user peace of mind when showering.

### PAGE 5 DRAINAGE

The Aqua-Dec comes complete with several drainage options. All of these gullies have a high quality stainless steel cover plate and are top accessible making cleaning and maintenance very simple. When gravity drainage is not an option there are also pumped drainage systems available to remove waste water.

### PAGE 8 WATERPROOFING

Once the Aqua-Dec and gully are in place Tilesafe® is installed, creating a highly efficient waterproof membrane.

### PAGE 9 SHOWER SCREENS

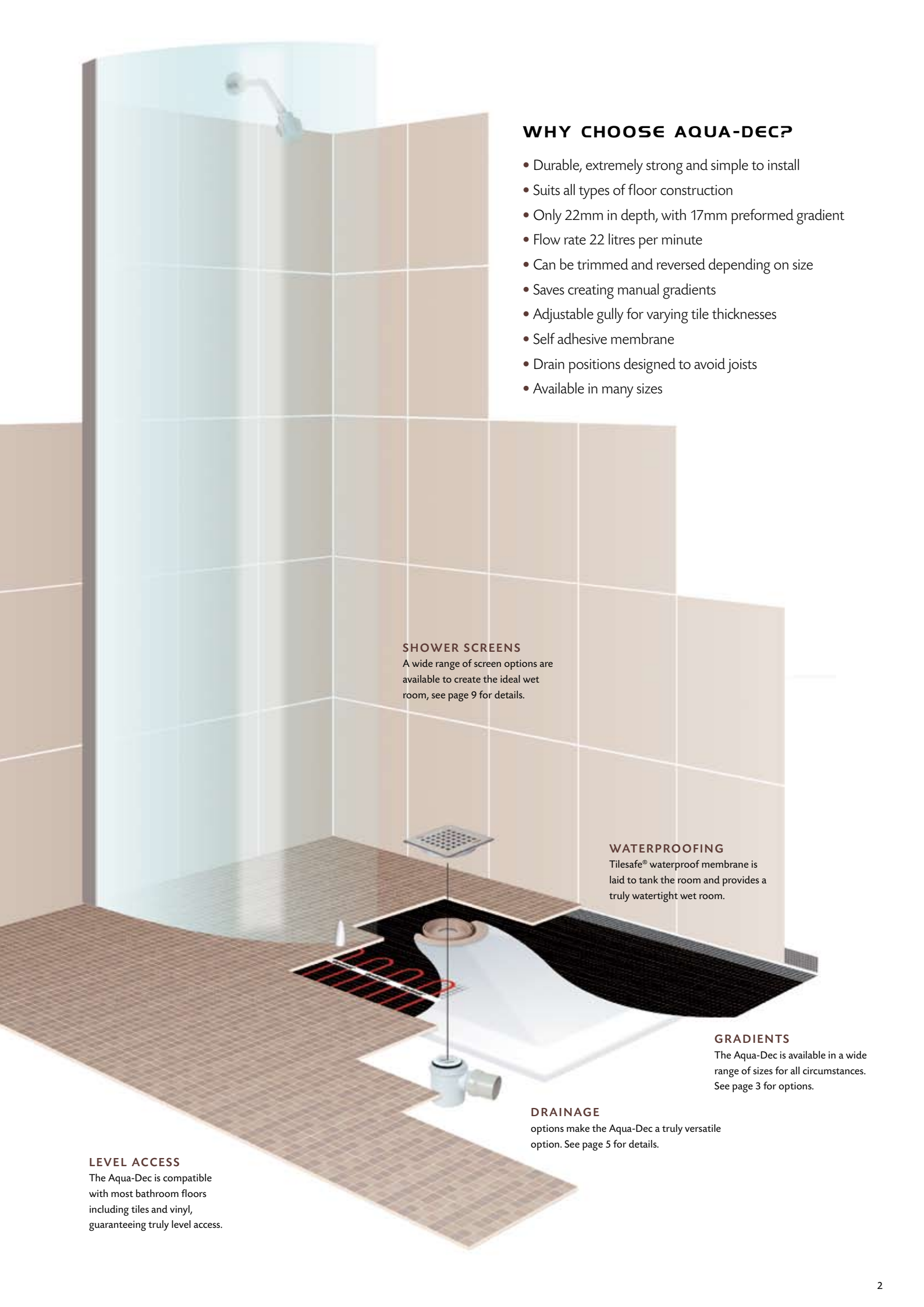
The **Cre-B** shower screens have been specifically designed for use in a wet room shower. They are made from high quality toughened glass to EN12150 standard.

### PAGE 11 UNDERFLOOR HEATING

Devimat® under floor heating is also available to warm your wet room floor. With the Devimat®100 your tiles become a pleasure to walk on. The mat design ensures a quick and simple installation.

#### UNDERFLOOR HEATING

Devimat®100 can also be installed under the tiles to warm your bathroom floor. See page 11 for details.



## WHY CHOOSE AQUA-DEC?

- Durable, extremely strong and simple to install
- Suits all types of floor construction
- Only 22mm in depth, with 17mm preformed gradient
- Flow rate 22 litres per minute
- Can be trimmed and reversed depending on size
- Saves creating manual gradients
- Adjustable gully for varying tile thicknesses
- Self adhesive membrane
- Drain positions designed to avoid joists
- Available in many sizes

### SHOWER SCREENS

A wide range of screen options are available to create the ideal wet room, see page 9 for details.

### WATERPROOFING

Tilesafe® waterproof membrane is laid to tank the room and provides a truly watertight wet room.

### GRADIENTS

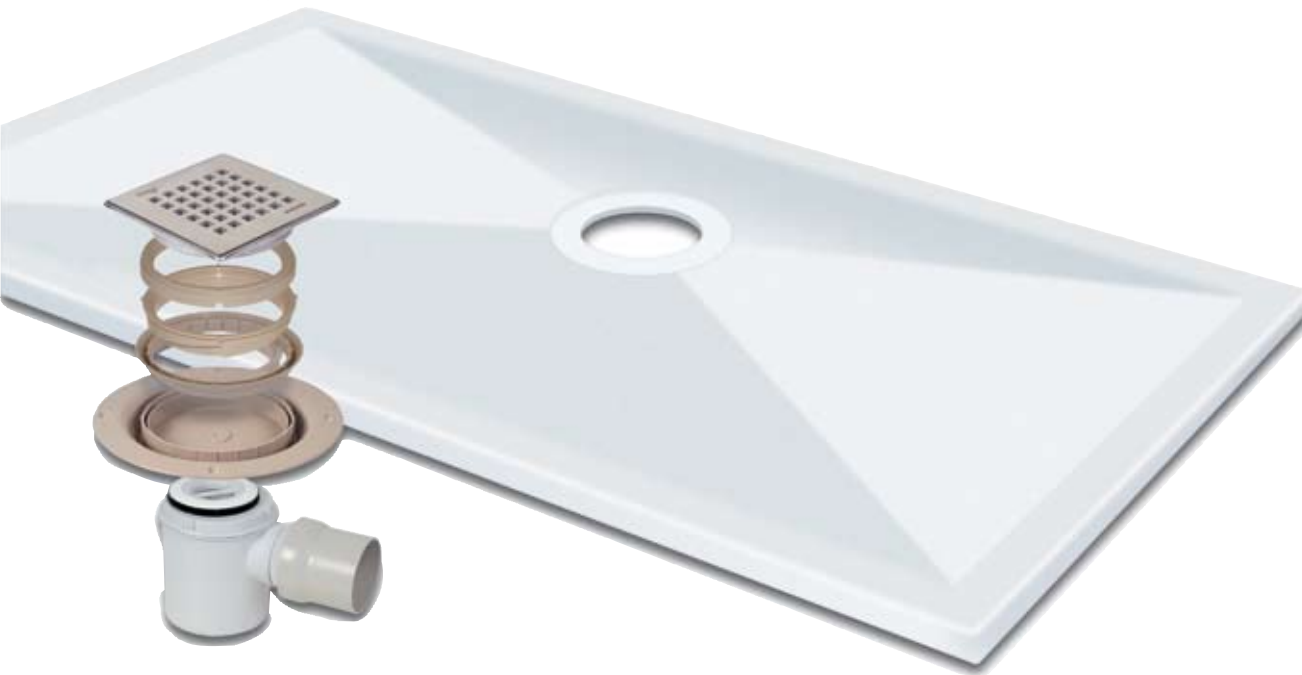
The Aqua-Dec is available in a wide range of sizes for all circumstances. See page 3 for options.

### DRAINAGE

options make the Aqua-Dec a truly versatile option. See page 5 for details.

### LEVEL ACCESS

The Aqua-Dec is compatible with most bathroom floors including tiles and vinyl, guaranteeing truly level access.

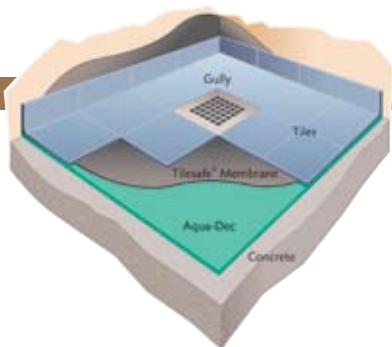
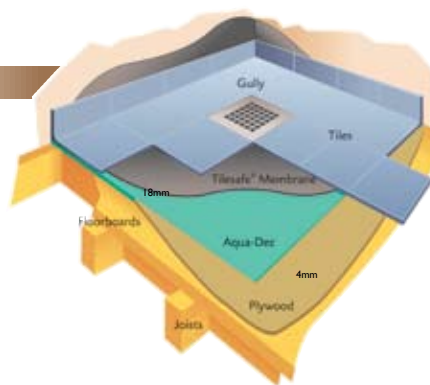


## aquaDEC GRADIENTS

**THE AQUA-DEC SYSTEM SUITS BOTH TIMBER AND CONCRETE FLOORS...**

### TIMBER FLOOR WITH TILED SURFACE

The Aqua-Dec, being 22mm thick is ideal for most timber floor installations. To fit the Aqua-Dec the floor boards are removed. When the drainage and the pipe work have been installed the Aqua-Dec can then be permanently fixed to the joists. The remaining floor must finish level with the Aqua-Decs edges in preparation for the floor tiles.

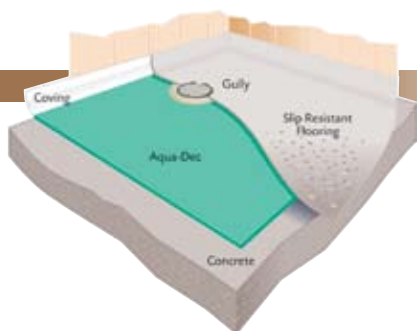
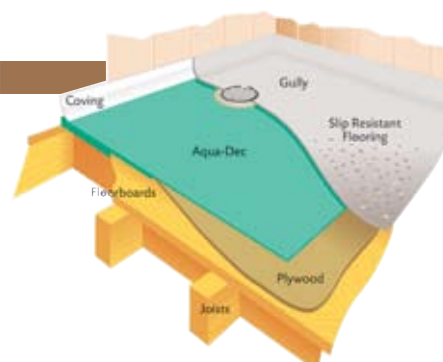


### CONCRETE FLOOR WITH TILED SURFACE

On concrete floors the Aqua-Dec can be let into the concrete screed and when the pipe work has been completed it can then be bedded down to sit level with the existing floor which must finish level with the Aqua-Decs edges in preparation for the floor tiles.

### TIMBER FLOOR WITH VINYL COVERING

The Aqua-Dec being 22mm thick is ideal for most timber floor situations. To fit the dec the floor boards are removed. When the drainage and the pipe work have been installed the dec can then be permanently fixed to the joists. The remaining floor must finish level with the Aqua-Decs edges in preparation for the slip resistant floor covering.



### CONCRETE FLOOR WITH VINYL COVERING

On concrete floors the Aqua-Dec can be let into the concrete screed and when the pipe work has been completed it can then be bedded down to sit level with the existing floor in preparation for the slip resistant floor covering.



# TIMBER FLOOR INSTALLATION

## Installation Step 1

Remove the floor boards to the size of the Aqua-Dec

## Installation Step 2

Ensure the Dec is level on all four sides. It may be necessary to fit noggins and a solid base for additional support.

## Installation Step 3

Fit the shower trap to the waste pipe and align with the aperture in the Aqua-Dec.

## Installation Step 4

Put the Aqua-Dec back into place. Check the aperture aligns with the shower trap and check the Aqua-Dec is level on all sides.

## Installation Step 5

Fix the Aqua-Dec to the sub floor using the screws provided.

## Installation Step 6

Fit the base component of the shower gully to the Dec and connect to the shower trap. You will need to use a 50mm hole saw to complete this operation.

## Installation Step 7

Waterproof the showering area by installing the Impey Tilesafe® membrane.

## Installation Step 8

The area is now ready to be tiled and your wet room is complete!

## Aqua-Dec Sizes

### Aqua-Dec 1

Order Reference Code	AD1
Overall Dimensions	1300 x 800mm
Maximum Shower Area	up to 1250 x 750mm
Depth	22mm
Gradient	17mm
Trimable area	up to 30mm on perimeters
Handed	Reversible



### Aqua-Dec 2

Order Reference Code	AD2
Overall Dimensions	1000 x 1000mm
Maximum Shower Area	up to 950 x 950mm
Depth	22mm
Gradient	17mm
Trimable area	up to 30mm on perimeters
Handed	Reversible



### Aqua-Dec 3

Order Reference Code	AD3
Overall Dimensions	1500 x 800mm
Maximum Shower Area	up to 1450 x 750mm
Depth	22mm
Gradient	17mm
Trimable area	up to 30mm on perimeters
Handed	Reversible



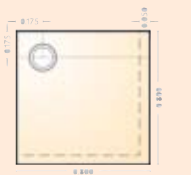
### Aqua-Dec 4

Order Reference Code	AD4
Overall Dimensions	900 x 900mm
Maximum Shower Area	up to 850 x 850mm
Depth	22mm
Gradient	17mm
Trimable area	up to 30mm on perimeters
Handed	Corner Drainage Only



### Aqua-Dec 5

Order Reference Code	AD5
Overall Dimensions	800 x 800mm
Maximum Shower Area	up to 750 x 750mm
Depth	22mm
Gradient	17mm
Trimable area	up to 30mm on perimeters
Handed	Corner Drainage Only



### Aqua-Dec 6

Order Reference Code	AD6
Overall Dimensions	1400 x 900mm
Maximum Shower Area	up to 1350 x 850mm
Depth	22mm
Gradient	17mm
Trimable area	up to 30mm on perimeters
Handed	Reversible



### Aqua-Dec 7

Order Reference Code	AD7
Overall Dimensions	1200 x 1200mm
Maximum Shower Area	up to 1150 x 1150mm
Depth	22mm
Gradient	17mm
Trimable area	up to 30mm on perimeters
Handed	Reversible



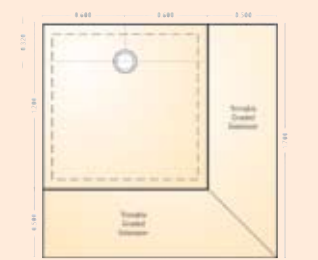
### Aqua-Dec 8

Order Reference Code	AD8
Overall Dimensions	1850 x 900mm
Maximum Shower Area	Variable
Depth	22mm
Gradient	17mm
Trimable area	As marked on drawing
Handed	Reversible



### Aqua-Dec 9

Order Reference Code	AD9
Overall Dimensions	1700 x 1700mm
Maximum Shower Area	Variable
Depth	25mm
Gradient	17mm
Trimable area	Only on extensions
Handed	Reversible
Separate Trimable Extensions	25 to 22mm





**Stainless Steel Grate**

Our drainage options are the most versatile on the market. The high quality stainless steel grate is 5mm thick and has a contemporary and modern design. Our drainage options also come with a removal hook that allows the grate to be removed for easy maintenance.

**Height Adjustable Rings**

The height adjustable rings rotates and vary in height to suit different tile depths. This unique feature means the gully can be used with varying tile depths between 6-26mm depending on waterproof membrane and adhesive thickness.

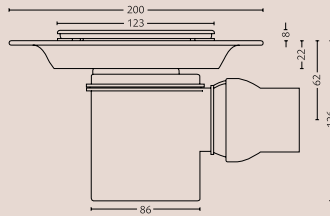
**Membrane Clamping Ring**

The membrane clamping ring secures the Tilesafe tanking membrane into place creating a secure watertight seal at the drainage point.

DSS1/H

**TILED FLOOR GULLY HORIZONTAL OUTLET  
DEPTH 126MM**

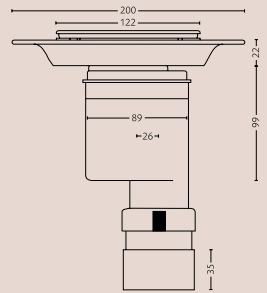
Height adjustable stainless steel top with 50mm water seal. Suitable for floor tiles between 6mm and 26mm in depth. Supplied as standard unless specified. Patent pending.



DSS1/V

**TILED FLOOR GULLY VERTICAL OUTLET  
DEPTH 215MM**

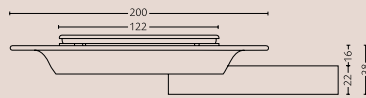
Height adjustable stainless steel top with 50mm water seal. Suitable for floor tiles between 6mm and 26mm in depth. Patent pending.



DSS2

**TILED FLOOR GULLY FOR PUMPED WASTE  
DEPTH 38MM**

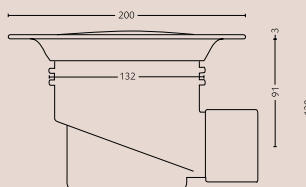
Height adjustable stainless steel top. Suitable for floor tiles between 6mm and 26mm in depth. Allows water to be pumped away when used in conjunction with the Impey Dry-Deck 20 waste pump. Patent pending.



DSS3/H

**VINYL FLOOR GULLY HORIZONTAL OUTLET  
DEPTH 130MM**

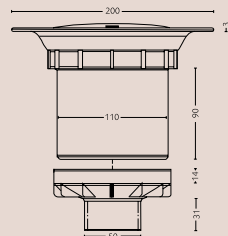
Stainless steel top and clamping ring for vinyl flooring with 75mm water seal.



DSS3/V

**VINYL FLOOR GULLY VERTICAL OUTLET  
DEPTH 130MM**

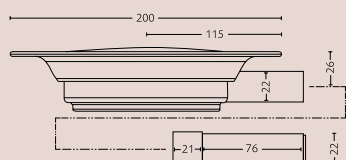
Stainless steel top and clamping ring for vinyl flooring with 75mm water seal.



DSS4

**VINYL FLOOR GULLY FOR PUMPED WASTE  
DEPTH 45MM**

Stainless steel top and clamping ring for vinyl flooring, allows water to be pumped away when used in conjunction with the Impey Dry Deck 20 waste pump.



In many contemporary showers and wet rooms a gravity drain is not a feasible option. In a loft conversion, where room height is constrained, or in a basement where the waste water outlet is higher than the gully, an alternative system is required.

The Dry-Deck 20 provides the solution. This low voltage pump system is quiet, compact and can be concealed so as not to compromise the rooms aesthetics. It provides a reliable solution requiring no regular maintenance.



## Features and Benefits

- The flow rate of the Dry-Deck 20 system automatically adjusts to changes in shower flow rate
- Almost silent when running
- No filter in waste system - no cleaning required
- Valves integral to the pump prevent odours escaping from the drainage pipe
- Maximum flow rate 20 ltr/min
- Capable of pumping up to the ground floor waste outlet - ideal for basement shower installations
- 2 year warranty



### FLOW SENSOR

Monitors the water flow through hot and cold pipes and transmits a signal to the control unit.

### CONTROL UNIT

The unit initiates the start-up of the pump, regulates the flow rate and controls the pump shut down.

### DRY DECK PUMP

A quiet running waste pump designed to pump up to 20 litres per minute enabling a wet room to be installed where it would otherwise not be possible.



## PEACE OF MIND WITH THE IMPEY TILES SAFE TANKING MEMBRANE...

### STEP 1

After the surfaces have been primed apply Tilesafe® reinforcing tape to the wall and floor junctions.

### STEP 2

Apply Tilesafe® membrane to floor removing release paper.

### STEP 3

All joints should be sealed with Tilesafe® Jointing Compound

### STEP 4

Apply tiles with a flexible cement base tile adhesive and grout



When you need to waterproof a shower or wet room area quickly and safely Impey have the answer. The Impey Tilesafe® Membrane is a cold-applied, self-adhesive, waterproof membrane which consists of a thick rubberised waterproof layer, incorporating a woven glass fibre mesh on one side.

It has been developed for use prior to the application of ceramic tiles which are applied using a flexible adhesive which keys to the mesh. As the adhesive dries it forms a strong permanent bond through the mesh and directly onto the waterproofing layer. Impey Tilesafe® can be fixed to ply, masonry, concrete or plasterboard to form a secure internal watertight structure. And because there is no curing time you can tile the same day.

It is advised that Tilesafe® be applied to the entire floor area. Tilesafe® is only suitable for tiled floors and cannot be used with vinyl flooring.

### THE BENEFITS:

- Cost effective tanking solution
- Quick and easy to apply
- Simple to detail in critical areas
- Ideal for suspended timber floors
- Flexible movement in substrates
- Compatible with all quality adhesives
- Lifetime guarantee (conditions apply)

### THE IMPEY TILES SAFE KIT IS AVAILABLE IN TWO SIZES:

#### 10M<sup>2</sup> KIT, ORDER CODE TS1 INCLUDES:

- 10m<sup>2</sup> of Tilesafe® membrane
- Tilesafe® primer
- Reinforcing tape
- Jointing compound,
- Putty

#### 5M<sup>2</sup> KIT, ORDER CODE TS2 INCLUDES:

- 5m<sup>2</sup> of Tilesafe® membrane
- Tilesafe® primer
- Reinforcing tape
- Jointing compound
- Putty

Further information is available on request.

# Cre-8 Shower Screens

## Adding a luxurious new dimension to any bathroom...

Our range of **Cre-8** shower screens are styled to the highest specification and present the perfect choice for the contemporary bathroom. They are the only screens that have been specifically designed for use with a wet room shower incorporating our unique adjustable shower foot. The **Cre-8** screens bring the added dimension of space and luxury to any bathroom. All screens come with our **Aqua-Shield<sup>Plus</sup>** Stay Clean glass as standard.

The frameless design is detailed in polished silver effect and the screens themselves are made of 8mm\* toughened glass to EN12150 Class 1, giving peace of mind to the user and providing them with the ultimate showering experience.

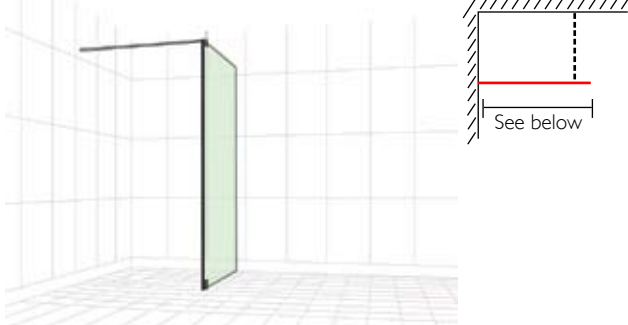
### Twin-Fit Floor Fitting

The **Cre-8** Shower screens are the only screens on the market that offer our unique **Twin-Fit** floor fitting system. The screens can be fitted to the floor tiles using our adjustable foot which has been designed to secure the screens firmly into place without having to drill all the way through the tile and waterproof membrane. Alternatively using our silicone wedges the screen can be fitted directly to the tile and siliconed providing a waterproof barrier.



## Screen Options

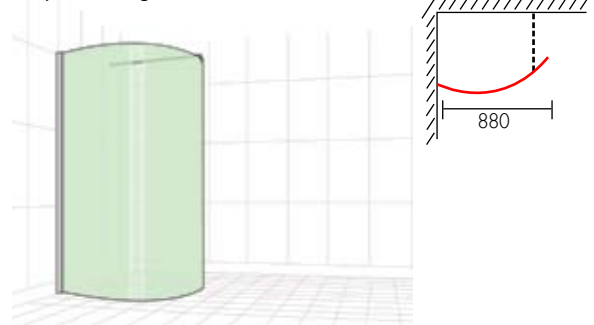
Adjustable length tie bar - Maximum 1500mm



**CE1**

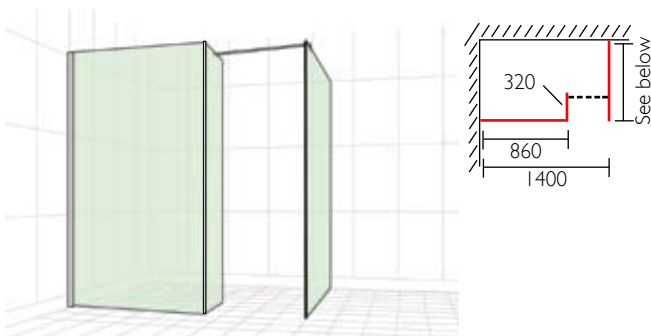
Code	Size	Suitable with
CE1/01	750mm	AD1,9,14,15
CE1/02	850mm	AD1, 2,3,4,6,7,8,9
CE1/03	1000mm	AD1,2,3,6,7,8,9
CE1/04	1200mm	AD1,3,6,7,8,9

Adjustable length tie bar - Maximum 1500mm



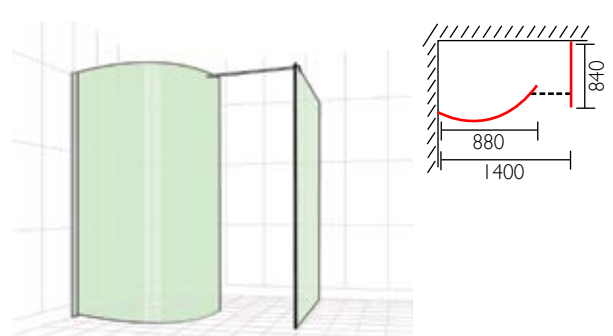
**CE2**

Code	Size	Suitable with
CE2	880mm	AD2,4,6,7,8,9



**CE5**

Code	Size	Suitable with
CE5/01	750mm	AD1,3,4
CE5/02	850mm	AD4,6,8,15
CE5/03	1000mm	AD2
CE5/04	1200mm	AD7,9



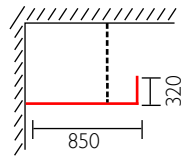
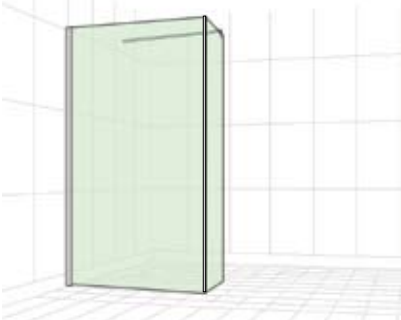
**CE6**

Code	Size	Suitable with
CE6	1400mm	AD4,6,8

- High Quality 8mm\* toughened glass and fittings
- **Aqua-Shield<sup>Plus</sup>** Stay Clean glass
- Contemporary frameless design
- Lifetime warranty
- Only screens available to have the unique **Twin-Fit** floor fitting
- EN12150 Class I
- Height adjustable foot
- Height of screens 2000mm
- Easy to clean with minimal dirt traps
- Single panel or enclosure options available



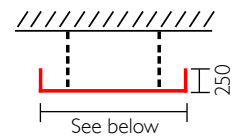
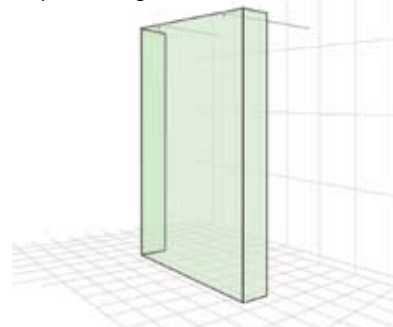
Adjustable length tie bar - Maximum 1500mm



**CE3**

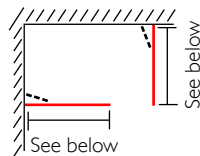
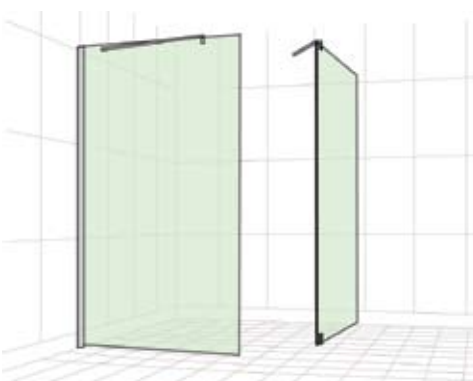
Code	Size	Suitable with
CE3	850mm	AD1,2,3,4,6,7,8,9,15

Adjustable length tie bar - Maximum 1500mm



**CE4**

Code	Size	Suitable with
CE4/01	1250mm	AD3,6,8,15
CE4/02	1650mm	AD8,15



**CE7**

10 combinations available. Glass panels are reversible

Code	Size	Suitable with
CE7/01	750 x 750mm	AD1,3,6,8,9
CE7/02	750 x 850mm	AD1,3,6,8,9
CE7/03	750 x 1000mm	AD3,8,9
CE7/04	750 x 1200mm	AD8,9
CE7/05	850 x 850mm	AD6,8,9
CE7/06	850 x 1000mm	AD8,9
CE7/07	850 x 1200mm	AD8,9

\* Options CE2 & CE6 are 6mm toughened glass

# INSTALLING YOUR DEVIMAT® SYSTEM



## STEP 1

The free area where the floor heating is to be fitted must be measured to determine which size Devimat® is needed.



**aquaDEC® UNDERFLOOR HEATING**



### Devimat® Size Calculator

PRODUCT CODE	AREA TO BE WARMED M <sup>2</sup>	HEATING LOAD WATTS
DM1.0	1.0	100
DM1.5	1.5	150
DM2.0	2.0	200
DM2.5	2.5	250
DM3.0	3.0	300
DM3.5	3.5	350
DM4.0	4.0	400
DM5.0	5.0	500
DM6.0	6.0	600
DM7.0	7.0	700
DM8.0	8.0	800
DM9.0	9.0	900
DM10.0	10.0	1000
DM12.0	12.0	1200

### Devireg 550 Electric Thermostat/Timer

DM550W	White
DM550S	Silver



**STEP 2**  
A groove is cut into the floor and wall approximately 10mm deep and wide for the floor sensor and tube. The tube allows for easy removal of the floor sensor if required.



**STEP 3**  
Before laying the self adhesive mat, the existing floor should be clean and dry, primed if necessary. Once the mat has been tested, it is then rolled out and laid on the floor.



**STEP 4**  
Upon reaching the end of a mat run, simply cut the mesh, turn the mat and lay the next piece beside the first. The red heating cable must NOT be cut.



**STEP 5**  
Lay tile adhesive and tiles in one operation. A flexible tile adhesive and grout should always be used.



## DEVIMAT®, THE SIMPLEST WAY TO WARM A BATHROOM FLOOR

**A tiled floor looks good, is hard wearing, hygienic and practical. It's the natural choice and an elegant solution for all bathrooms and en-suites. With the Devimat®100 heating system under your tiles they will become warm and pleasant to walk on.**

The system offers more than just warmth and comfort, its energy efficient, with running costs much lower than you may expect. The mat design also ensures a quick and simple installation.

As well as a comfortable warm floor, the heat generated from a Devimat® system will drift upwards and contribute to the room temperature. The heating effect of any existing heating system can

be reduced with corresponding energy savings, but the devimat should not be relied upon as a primary source of heating.

Ordering the Devimat®100 couldn't be simpler, simply work out the area you need to cover, excluding any floor obstructions like baths or sinks. Then choose the closest size of mat available below your measurement. **See sizing calculator opposite.**

For your new warm floor you simply need a mat and a thermostat

### THE DEVIMAT®100

The Devimat®100 is a self-adhesive mesh with an ultra-thin heating cable pre-attached which is just 3.5mm thick. The mat design not only enables a fast installation, but as the heating cables are already spaced out on the mesh an even heat is guaranteed across the whole floor, with no cold ripples. As the mat is so thin, it can be installed within the thickness of the tile adhesive adding no appreciable height to the floor. The mat is 500mm

wide and is available in various lengths.

### DEVIREG 550

This controller is a combined thermostat and timer which fits into a standard 47mm single socket box. The 550 is programmed to monitor the floor temperature using a floor sensor which is supplied with the controller and Devimat®100.

The 550 is designed to be user friendly and incorporates a 'one button does it all' technology. Each day can be programmed individually to switch on when required thus ensuring minimal running costs.

### SAFETY

The Devimat® heating cable meets the highest UK and European standards and is the only thin heating cable with a complete aluminium earth sheathing. The earth sheathing that surrounds the heating conductor is there for your protection and safety and is essential when installing in your bathroom or wet room.

**STEP 1  
AQUA-DEC SIZE**

Firstly, you need to decide on the size of your showering area and select an appropriate Aqua-Dec. See page 4 for full details.

**STEP 2  
DRAINAGE**

Secondly, you will need to decide on the best drainage option for your requirements. See page 5 for details.

**STEP 3  
WATERPROOFING**

Select the correct size Tilesafe® membrane for your floor. If you are using a water proof vinyl Tilesafe® is not required. See page 8 for full details.

**SHOWER SCREENS**

If you are ordering **Cre-8** shower screens there are 7 configurations to choose from. See page 9 for details.

**DEVIMAT®  
UNDERFLOOR  
HEATING**

For under floor heating you will need to measure the size of your bathroom area and choose the kit just below that size. See page 11 for details.



**AD1 1300 X 800mm**



**AD2 1000 X 1000mm**



**AD3 1500 X 800mm**



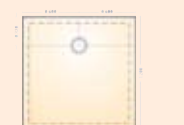
**AD4 900 X 900mm**



**AD5 800 X 800mm**



**AD6 1400 X 900mm**



**AD7 1200 X 1200mm**



**AD8 1850 X 900mm**



**AD9 1700 X 1700mm**



Supplied as standard unless otherwise specified

**DSS1/H Tiled Floor Gully**  
Horizontal Outlet  
Depth 126mm



**DSS1/V Tiled Floor Gully**  
Vertical Outlet  
Depth 215mm



For use with Dry Deck Pump, see page 6

**DSS2 Tiled Floor Gully**  
Pumped Waste  
Depth 38mm



**DSS3/H Vinyl Floor Gully**  
Horizontal Outlet  
Depth 130mm



**DSS3/V Vinyl Floor Gully**  
Vertical Outlet  
Depth 180mm



For use with Dry Deck Pump, see page 6

**DSS4/H Vinyl Floor Gully**  
Pumped Waste  
Depth 45mm



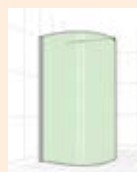
**TS1 10m<sup>2</sup> Kit**  
Includes  
■ 10m<sup>2</sup> of Tilesafe® membrane  
■ Tilesafe® primer  
■ Reinforcing tape  
■ Jointing compound  
■ Putty



**TS2 5m<sup>2</sup> Kit**  
Includes  
■ 5m<sup>2</sup> of Tilesafe® membrane  
■ Tilesafe® primer  
■ Reinforcing tape  
■ Jointing compound  
■ Putty



**CE1**



**CE2**



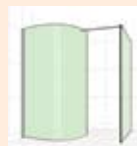
**CE3**



**CE4**



**CE5**



**CE6**



**CE7**



PRODUCT CODE	AREA TO BE WARMED M <sup>2</sup>	HEATING LOAD WATTS
<b>DM1.0</b>	1.0	100
<b>DM1.5</b>	1.5	150
<b>DM2.0</b>	2.0	200
<b>DM2.5</b>	2.5	250
<b>DM3.0</b>	3.0	300
<b>DM3.5</b>	3.5	350
<b>DM4.0</b>	4.0	450
<b>DM5.0</b>	5.0	500
<b>DM6.0</b>	6.0	600
<b>DM7.0</b>	7.0	700
<b>DM8.0</b>	8.0	800
<b>DM9.0</b>	9.0	900
<b>DM10.0</b>	10.0	1000
<b>DM12.0</b>	12.0	1200

**Devireg 550 Electric Thermostat/Timer**

<b>DM550W</b>	White
<b>DM550S</b>	Silver

For advice on this please contact the office and our technical advice team will be pleased to help.





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