

Schlüter®-Systems







# BATHROOMS

Whether you're planning a dream bathroom or wetroom as part of a new build or refurbishment project, it's an exciting time with lots of inspiration at your fingertips. The floor and wall covering is just one of many choices you will look to make.

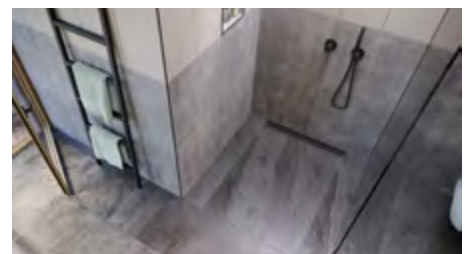
Ceramic and porcelain tiles or natural stone are a beautiful choice for many areas of the home. They have several advantages, such as their durability and longevity thanks to their resistance to wear and damage as well as being available in a wide variety of designs, colours and textures.

Whichever style you choose, we believe that all tile and stone installations should be beautiful and stand the test of time.

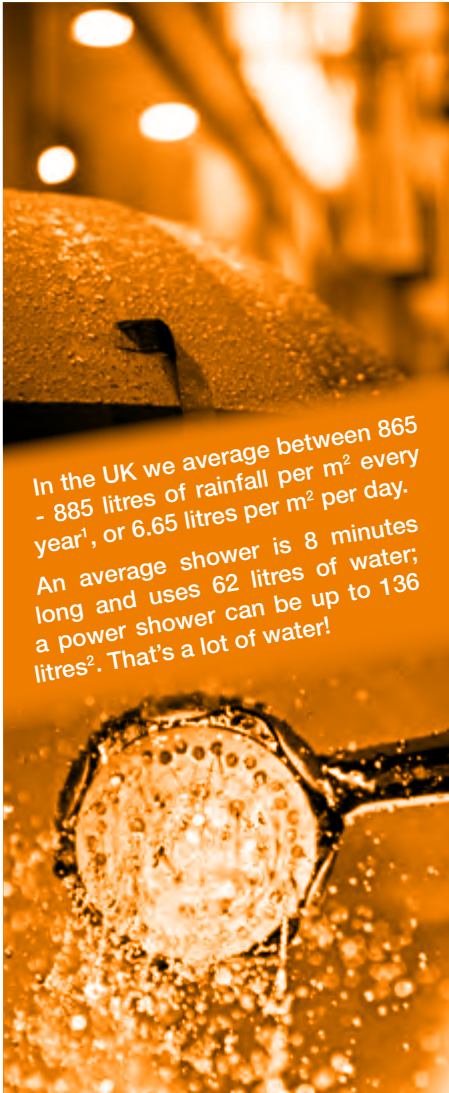
This is where we can help, protecting the fabric of the building with reliable waterproofing, which is becoming ever more critical to a project. This is underlined by the change to the NHBC's technical guidance that will effectively rule out the use of gypsum plasterboard or magnesium oxide boards as the substrate for direct tiling in a wetroom, or where a power shower is fitted.

The changes will require the use of either a substrate board which is fully waterproof, or the existing substrate being fully tanked using a waterproof membrane system.

Water-resistant products absorb water over time, but waterproof products keep it out permanently. The Schlüter®-KERDI family of products offer waterproof solutions that work together seamlessly to provide a guaranteed waterproof system for walls and floors.



# Prevention is Better Than Cure



In the UK we average between 865 - 885 litres of rainfall per m<sup>2</sup> every year<sup>1</sup>, or 6.65 litres per m<sup>2</sup> per day. An average shower is 8 minutes long and uses 62 litres of water; a power shower can be up to 136 litres<sup>2</sup>. That's a lot of water!

We all know that we get our fair share of rain in the UK, sometimes it feels like it never stops raining! In fact, we have between 865 - 885 litres of rainfall per m<sup>2</sup> every year<sup>1</sup> which equates to 6.65 litres per m<sup>2</sup> per day. But what has our soggy weather got to do with a shower?

Well, would you leave your roof open to the elements and all that rain? Probably not. So why risk not waterproofing your bathroom when our showers use way more water than the amount of rain we have? Modern showers typically use 8 litres of water every minute<sup>2</sup>. Say you have an 8-minute shower on average, that will use 62 litres of water per shower (remember that a power shower will use even more water). Many of us shower every day so we use over 10 times the amount of water for a daily shower versus the rain that falls in a day on a m<sup>2</sup> area.

Essentially, that's a lot of water! And that water needs to be properly managed and drained in a functional, watertight bathroom. If it's not, then this amount of water can cause serious damage when not contained not contained within the shower area. A bathroom failure is not always immediately obvious as any leaks that occur tend to be gradual and can go undetected for a good while after they've started. This means that damage caused by rot and mould is far more likely and can be widespread upon discovery.

While this may all sound a bit daunting, but with good planning, the use of high-quality materials and workmanship, a properly designed and installed bathroom should easily last for many years, if not decades.

<sup>1</sup> Met Office & Climatemp.com  
<sup>2</sup> Unilever & Waterwise.org

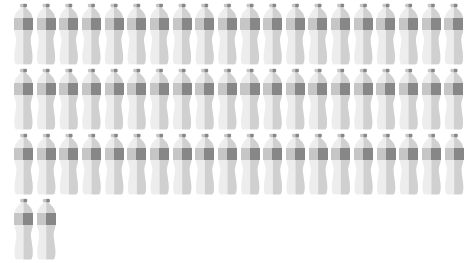
## Water produced by...

### Rainfall



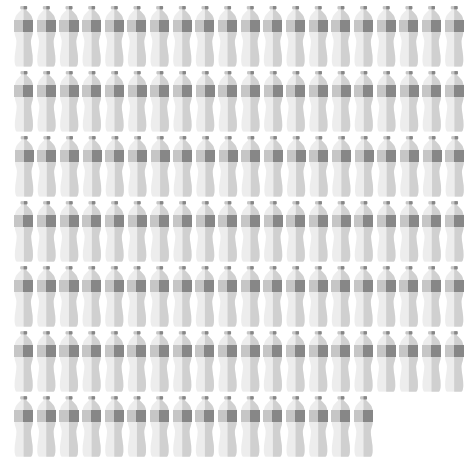
6.65 litres (average rainfall per m<sup>2</sup> per day)

### Shower



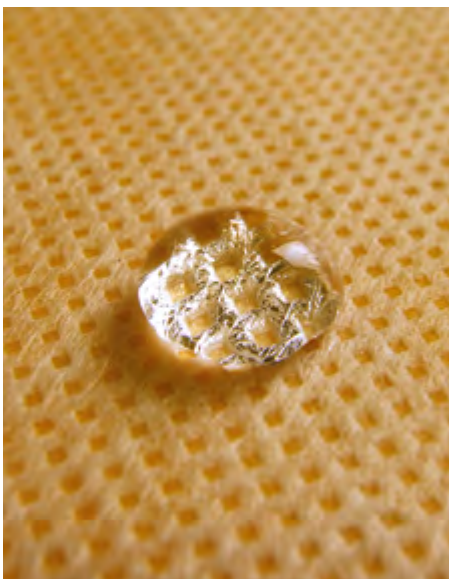
62 litres (average 8 minute shower)

### Power Shower



136 litres (average 8 minute shower)

# What Does Waterproof Actually Mean?



Water has a tendency to find the shortest route to travel, so a waterproofed bathroom prevents water from penetrating through the floor or walls.

Waterproofing is essential for bathrooms as it's a common misconception that grout and adhesive are waterproof when in fact they are usually only water-resistant at best. This is not the same as being waterproof.

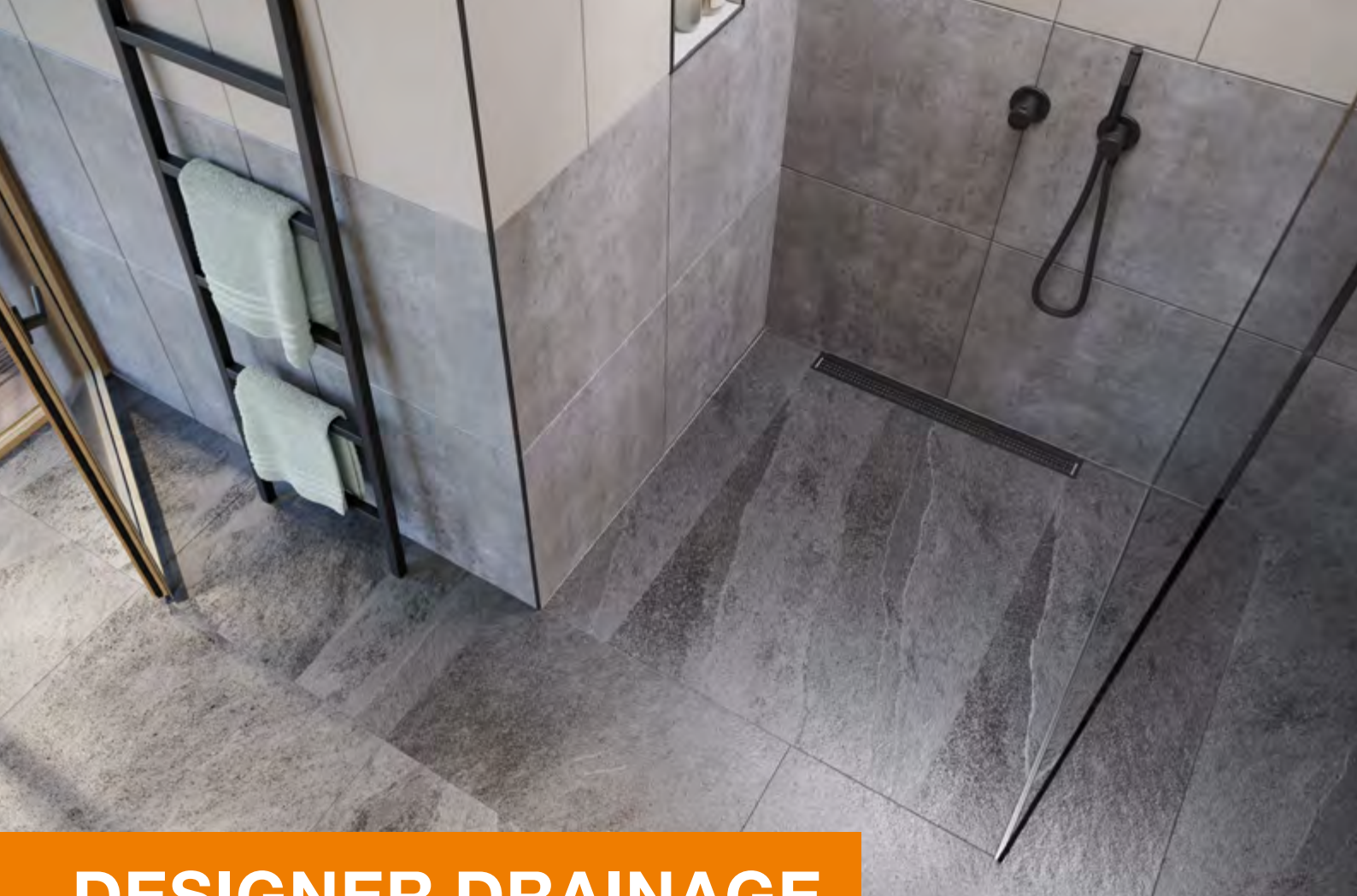
**Water-resistant:** moisture can still penetrate, collecting in the wall cavities and potentially causing mould or, even worse, leaks.

**Waterproof:** moisture cannot penetrate and water is not able to cause damage beneath the surface.

With this in mind, it's important to understand that the material (or substrate) onto which the tile or stone is being installed needs to be waterproof in order to prevent damage. No matter the quality, cost or extravagance of a tile installation, the integrity of the tile is only as good as its foundation.



After 30 minutes, the water droplet remains on the surface of the waterproof material but has absorbed into the water-resistant material.



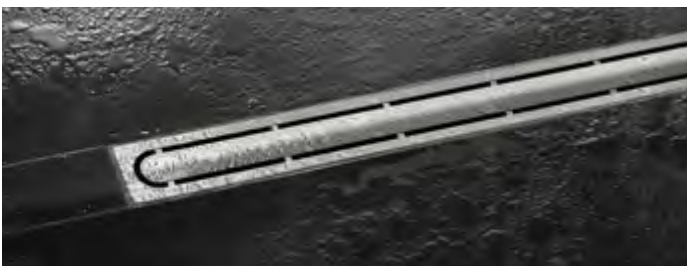
## DESIGNER DRAINAGE

Within the shower area, the tile and stone covering must be sufficiently sloped to allow for appropriate drainage. This is easily achieved with our pre-sloped Schlüter®-KERDI-SHOWER boards that are waterproof, can be cut to size and tiled directly onto.

To complete the drainage solution, you can select from the point drain Schlüter®-KERDI-DRAIN, which provides a central point of drainage for the water, or the linear drain Schlüter®-KERDI-LINE, which allows for central, offset or perimeter placing.

Both options are available with an assortment of stainless steel grates in various finishes, or with a frameless covering support that virtually disappears once tiled.

### Schlüter®-KERDI-LINE



*A linear drain provides contemporary design possibilities, with water draining away via a channel. In comparison to a point drain it is more flexible, as it can be positioned centrally, or offset at the edge of the shower area.*

### Schlüter®-KERDI-DRAIN



*With a point drain, as the name suggests, the surrounding area falls along four planes to a single point where the water flows away. This offers a stylish, aesthetically pleasing finish to a central drain.*

### Features and benefits

- ✓ Low assembly height – ideal for step-in, walk-in and barrier-free spaces.
- ✓ The shower boards are easily customisable to shape, size, and drain positioning. They can be tiled straight away and are pre-sloped to the drain.
- ✓ Certified waterproofing system – guaranteed secure connection between the drain and waterproofing (a potential weak point).
- ✓ Suitable for tile, mosaics and natural stone, meaning your desired tile can be used throughout the entire bathroom floor, or a different tile can be used to create a contrast.

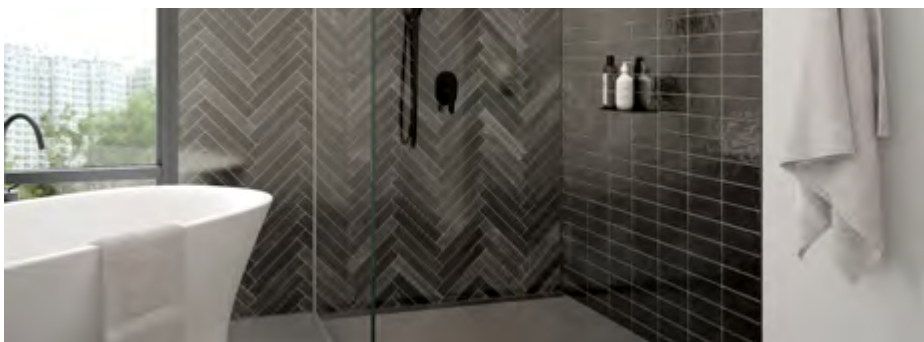
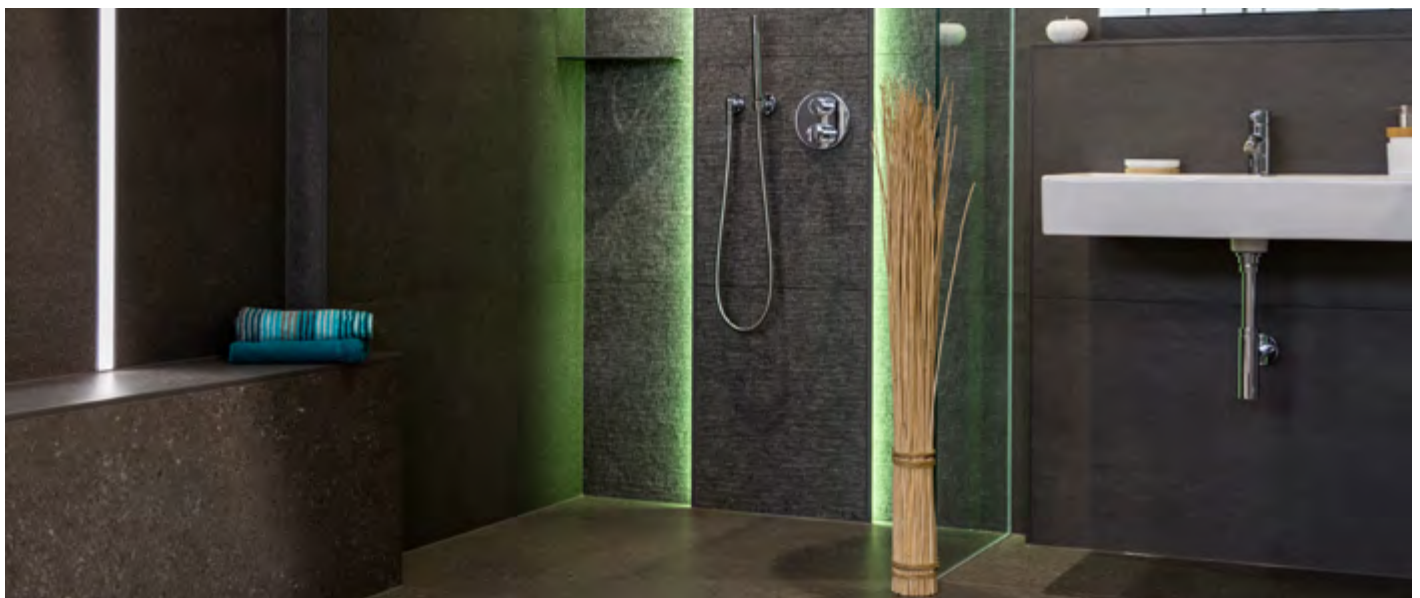
# Schlüter®-KERDI-LINE

This build-up image shows the potential weak points that need to be addressed with a variety of waterproofing solutions. It might look like there are a lot of additional layers that will sit below the tile once all of the waterproofing has been accounted for. In fact, the build-up is very minimal.



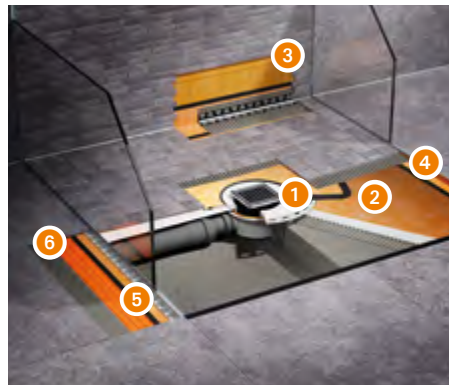
- 1 **Schlüter®-KERDI-LINE**  
*Linear drain system*
- 2 **Schlüter®-KERDI-SHOWER**  
*Pre-sloped tileable shower tray*
- 3 **Schlüter®-KERDI /-BOARD**  
*Waterproof membrane / waterproof backerboard*
- 4 **Schlüter®-KERDI-KEBA**  
*Waterproof sealing bands*
- 5 **Schlüter®-KERDI-COLL-L**  
*Waterproof sealing adhesive*
- 6 **Schlüter®-DITRA /-HEAT-E**  
*Uncoupling membrane / heating membrane*

## Drain Grate Options



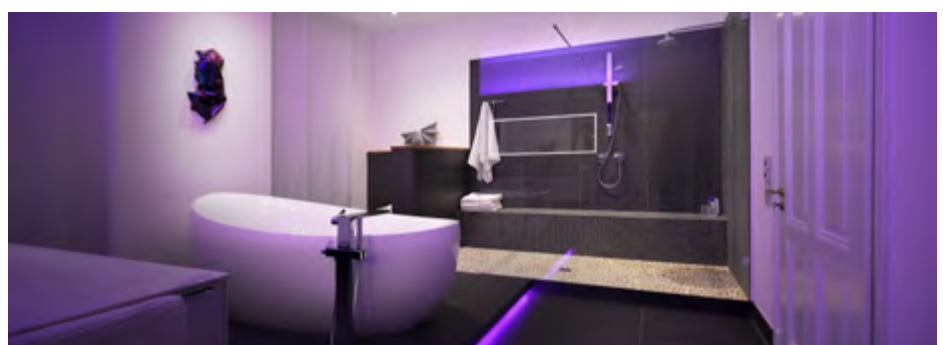
# Schlüter®-KERDI-DRAIN

Throughout this brochure, we've included build-up images, like the one to the right, so you can see how our products would be used together. They can be helpful to show to an installer. We are happy to look over plans or designs to ensure that every detail has been taken care of.



- 1 Schlüter®-KERDI-DRAIN  
*Point drain system*
- 2 Schlüter®-KERDI-SHOWER  
*Pre-sloped tileable shower tray*
- 3 Schlüter®-KERDI /-BOARD  
*Waterproof membrane / waterproof backerboard*
- 4 Schlüter®-KERDI-KEBA  
*Waterproof sealing bands*
- 5 Schlüter®-KERDI-COLL-L  
*Waterproof sealing adhesive*
- 6 Schlüter®-DITRA /-HEAT-E  
*Uncoupling membrane / heating membrane*

## Drain Grate Options







# BATH & SHOWER CONNECTIONS

If you've chosen a bathtub or shower tray made of steel/enamel, acrylic or mineral casting, or resin, then the area must be treated with the same moisture management measures as any other tiled shower. Wall cavities must be protected from water and vapour penetration, and the waterproofing on the walls must be effectively sealed to the edge of the bathtub or shower tray to avoid potential leaks and mould growth.

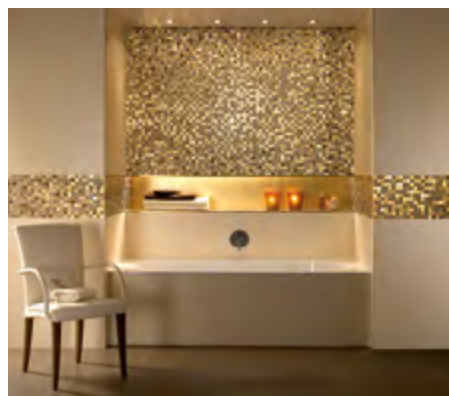
Silicone is a standard sealing feature nowadays in a bathroom, but it can peel and split as a result of cleaning and general day-to-day use. Schlüter®-KERDI-TS provides an extra line of defence should the silicone fail, and water threaten to seep through to the wall behind.

## Schlüter®-KERDI-TS

Installed behind the tile, Schlüter®-KERDI-TS incorporates three distinct parts which create a reliable waterproof connection: KERDI fleece membrane, a fleece-free zone for the adhesion of KERDI-FIX elastic sealant adhesive, and a self-adhesive sound insulation strip that attaches to the edge of the bath or shower tray.



- 1 **Schlüter®-KERDI-TS**  
*Sealing tape*
- 2 **Schlüter®-KERDI-FIX**  
*Sealing installation adhesive*
- 3 **Schlüter®-KERDI-CP**  
*Cutting protection strip (optional)*
- 4 **Schlüter®-KERDI-COLL-L**  
*Waterproof sealing adhesive*
- 5 **Schlüter®-KERDI /-BOARD**  
*Waterproof membrane / waterproof backerboard*

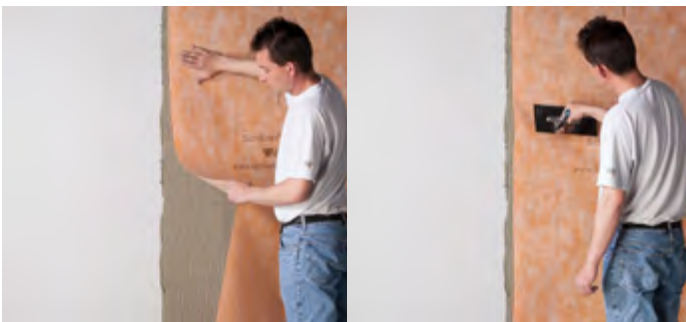




# WALL WATERPROOFING

Although they don't experience the same pressures as floor tiles that are constantly being walked all over, wall tiles still need their fair share of protecting. A perfect finish can only be achieved by creating a perfectly level, waterproof and tile-ready substrate prior to installation of the tile or stone.

## Schlüter®-KERDI-200



*A waterproof membrane that is hung like wallpaper into a bed of adhesive. Must be onto an existing substrate that is flat, even and suitable for tiling onto, such as plasterboard or water-resistant backerboards.*

## Schlüter®-KERDI-BOARD

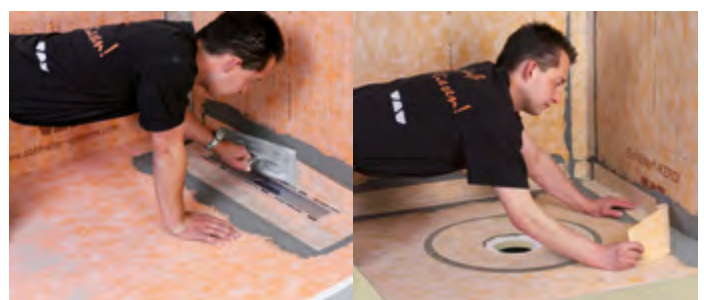


*A waterproof backerboard that provides a flat and even substrate as well as being waterproof, reducing the number of installation processes needed to create a waterproof assembly, which can save time on-site.*

## Sealing Connections

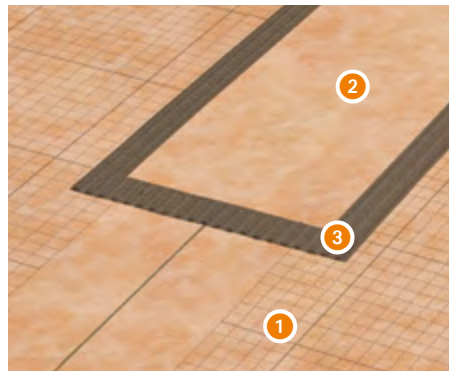
These are inherent weak points for an installation if not dealt with properly. Key areas for attention are:

- ✓ Joints between membrane sheets/individual backerboards.
- ✓ Wall-to-floor junctions and corners.
- ✓ Junctions with drains.
- ✓ Pipe penetrations.
- ✓ Sanitary ware.



# Schlüter®-KERDI-200

Even waterproofing layers will have joints where the membrane meets. These joints also need to be sealed since the connection is otherwise a weak point. This can be achieved with the appropriate KERDI sealing bands and adhesive.



- 1 Schlüter®-KERDI-200  
Waterproofing membrane
- 2 Schlüter®-KERDI-KEBA  
Waterproof sealing bands
- 3 Schlüter®-KERDI-COLL-L  
Waterproof sealing adhesive



# Schlüter®-KERDI-BOARD

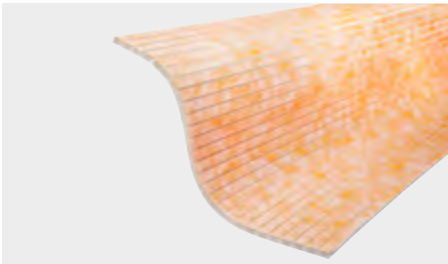
As well as being a waterproof backerboard, Schlüter®-KERDI-BOARD brings great versatility to tile, allowing you to build custom elements that would be difficult to create using other conventional building panels. Think handy niches for storing shampoo, vanity or shelving units made to your exact dimensions, or a convenient seat for a well-earned rest.



- 5 mm
- 9 mm
- 12.5 mm
- 19 mm
- 28 mm
- 38 mm
- 50 mm



## Schlüter®-KERDI-BOARD-V



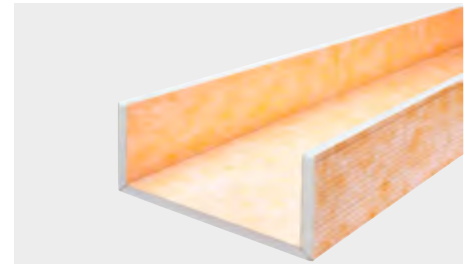
*Grooved substrate for creating tile coverings with curved installation.*

## Schlüter®-KERDI-BOARD-E



*Angled component to create corner formations and pipe panelling.*

## Schlüter®-KERDI-BOARD-U



*U shaped component to create pipe panelling and boxed sections.*

## Schlüter®-KERDI-BOARD-N



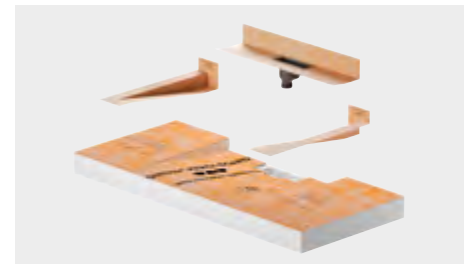
*Pre-fabricated waterproof niches.*

## Schlüter®-KERDI-BOARD-NLT



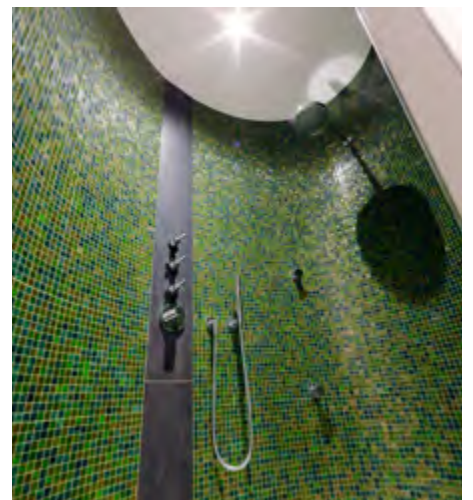
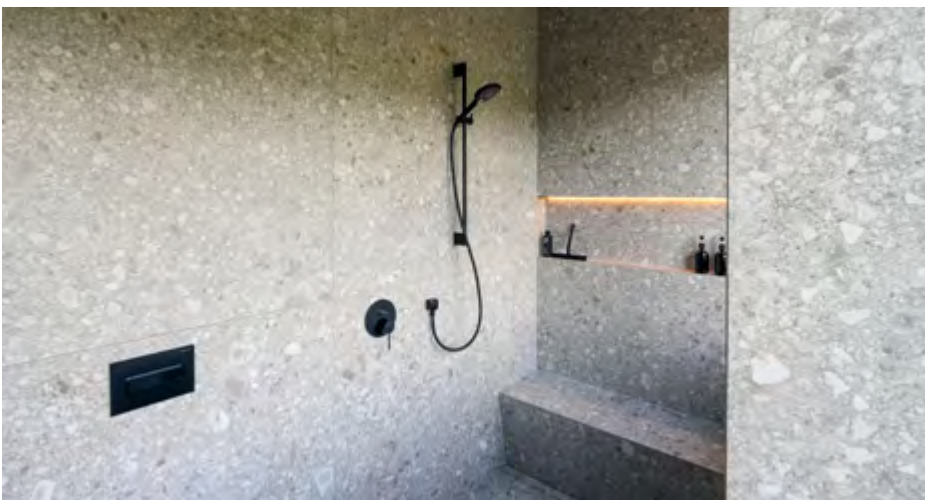
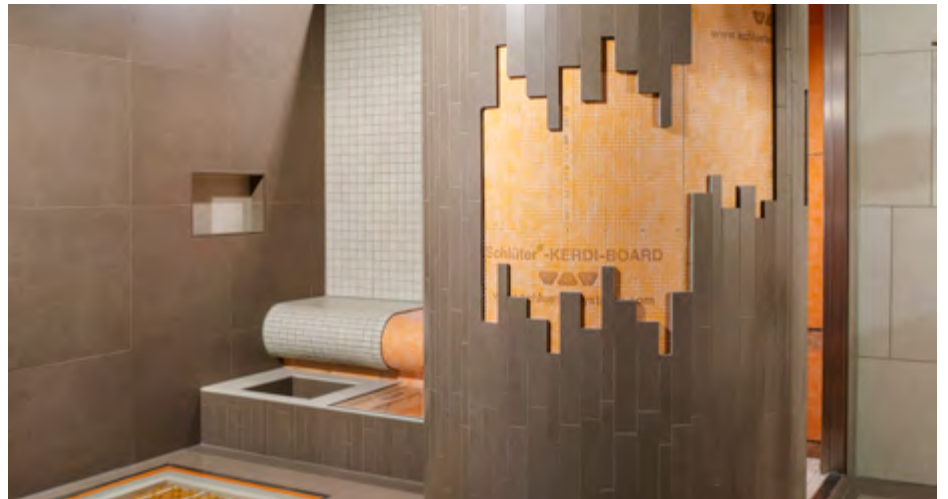
*Pre-fabricated waterproof niches with a choice of LED lighting options.*

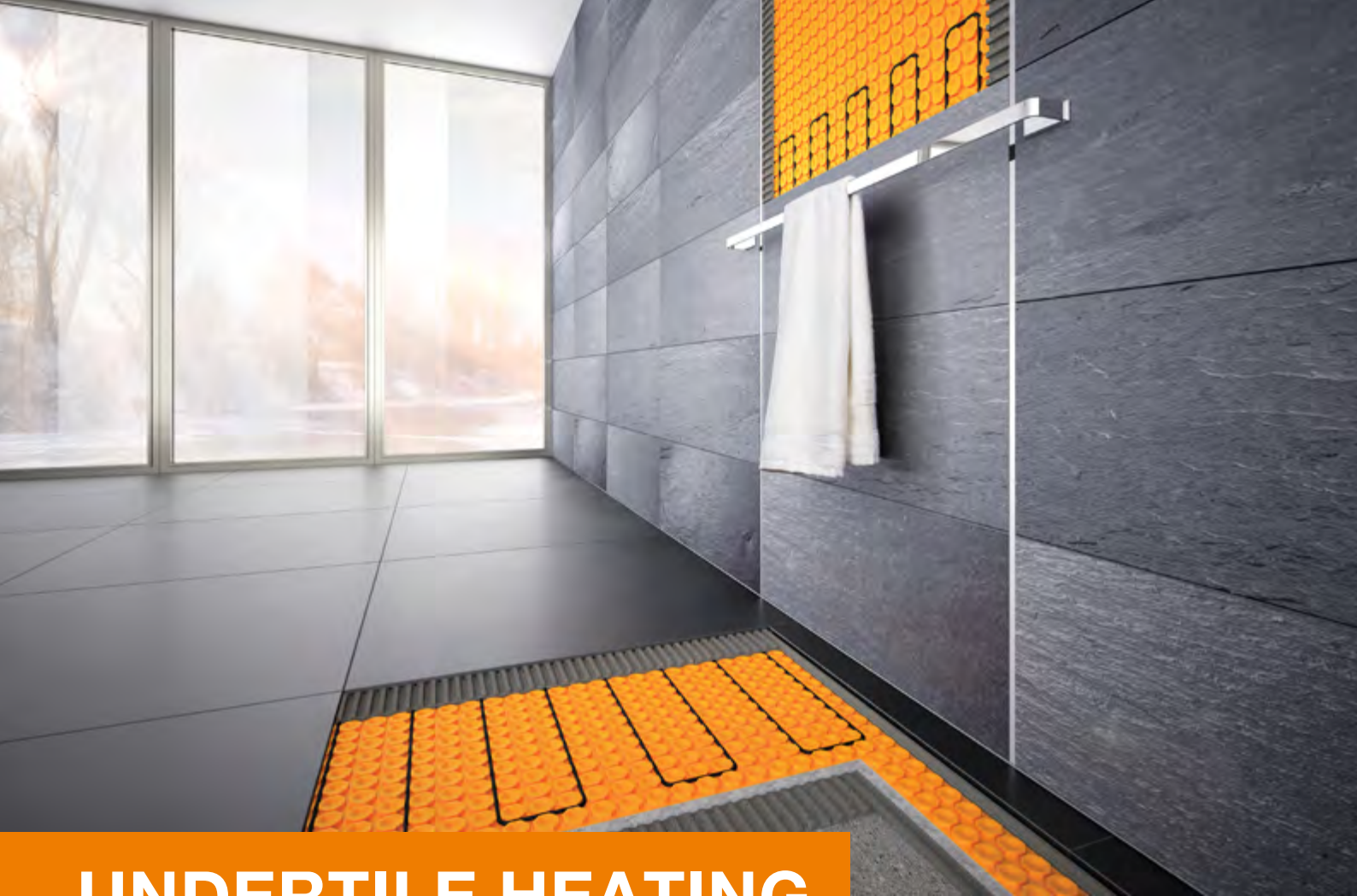
## Schlüter®-KERDI-BOARD-W



*Pre-fabricated wash basin with a linear drain channel.*



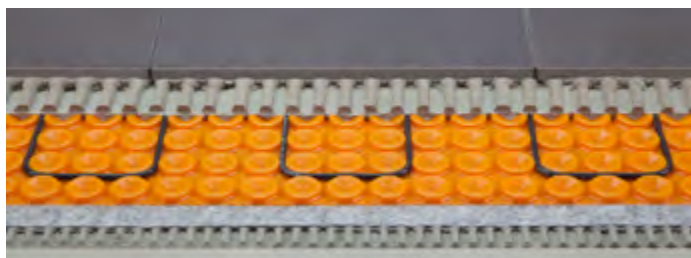




# UNDERTILE HEATING

Warm feet guaranteed. Ever-increasing in popularity, a heating system will bring that added touch of luxury to your tile or stone installation. Precise timing and quick heating of surfaces is possible with our Schlüter-DITRA-HEAT electric floor and wall heating system. This system is recommended for comfort heating in specific zones as a secondary heat source as the heating cables can be placed wherever heat is desired.

## Schlüter®-DITRA-HEAT-DUO



*These membranes also act as a protective uncoupling layer & are waterproof, ensuring a long life expectancy of the tile or stone covering. The additional fleece layer channels most of the heat directly into the covering above during the heat-up. This makes it more energy efficient than many other systems. The fleece layer also reduces impact sound by 50% (13 dB).*

## Schlüter®-DITRA-HEAT-DUO-PS



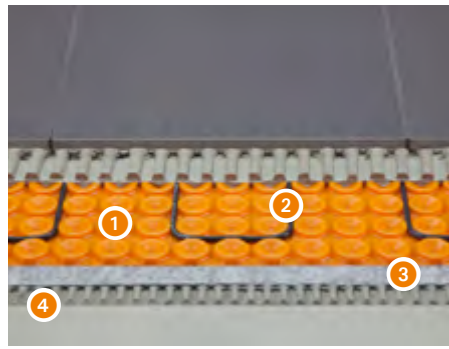
*DITRA-HEAT-DUO-PS not only offers all the advantages of DITRA-HEAT-DUO, but also saves time and material in installation with its Peel & Stick technology. The pressure sensitive adhesive laminated to the underside means no tile adhesive is required underneath the membrane. Simple. Clean. Quick.*

## Features and benefits

- ✓ Creates cosy warmth
- ✓ Heating zones can be configured individually
- ✓ Low assembly height is ideally suited for renovation projects
- ✓ Uncoupling with proven DITRA technology
- ✓ Warms tiles even on problematic substrates
- ✓ Certified system components
- ✓ Prevents mould growth
- ✓ Pleasant room climate suitable for allergy sufferers
- ✓ Waterproof
- ✓ Impact sound reduction by up to 13 decibels

## Schlüter®-DITRA-HEAT-DUO

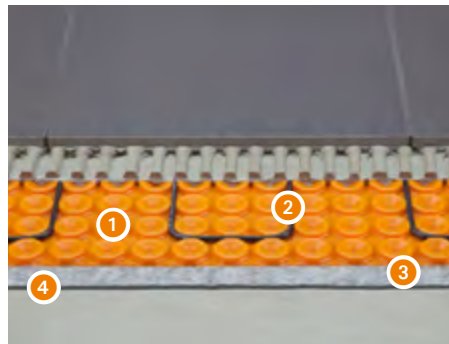
Thanks to its quick heating response, DITRA-HEAT-DUO runs at 136W, making it more energy efficient than other systems that typically run at 150W or 200W. It reaches the desired temperature quickly, reducing the running costs of the system.



- 1 **Schlüter®-DITRA-HEAT-DUO**  
*Uncoupling membrane*
- 2 **Schlüter®-DITRA-HEAT-E-HK**  
*Electric heating cable*
- 3 **Schlüter®-DITRA-HEAT-DUO**  
*Thermal break*
- 3 **Schlüter®-DITRA-HEAT-DUO**  
*Impact sound reduction up to 50% (13 dB)*
- 4 **Tile Adhesive**  
*Bonded with tile adhesive (C2F)*

## Schlüter®-DITRA-HEAT-DUO-PS

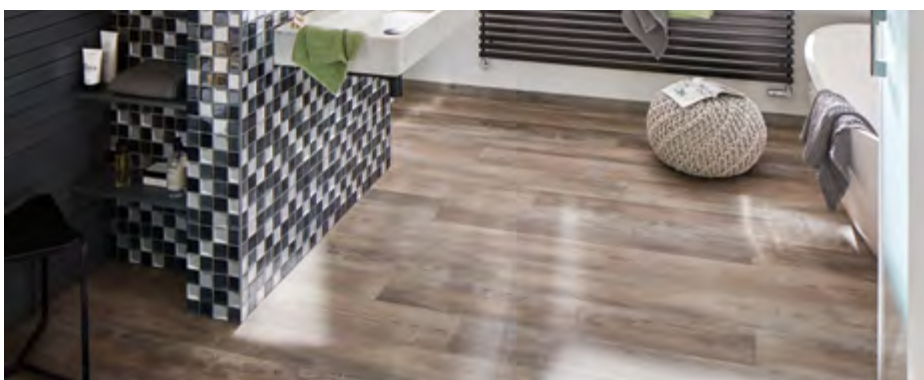
If you're tiling onto P5 or green chipboard, we recommend the Peel & Stick version of DITRA-HEAT-DUO. The membrane can easily be repositioned during installation and is firmly stuck once pressure is applied.



- 1 **Schlüter®-DITRA-HEAT-DUO**  
*Uncoupling membrane*
- 2 **Schlüter®-DITRA-HEAT-E-HK**  
*Electric heating cable*
- 3 **Schlüter®-DITRA-HEAT-DUO**  
*Thermal break*
- 3 **Schlüter®-DITRA-HEAT-DUO**  
*Impact sound reduction up to 50% (13 dB)*
- 4 **Peel & Stick Adhesive**  
*Bonded with pressure sensitive adhesive*

## Schlüter®-DITRA-HEAT-E-R6

A versatile all-in-one smart thermostat for full control of the electrical heating of floor and wall coverings with Schlüter-DITRA-HEAT-E. It can be used with or without WiFi and with or without voice control. It can be operated manually, remotely using WiFi (iOS and Android smartphones or tablets) or by voice control using an Amazon Alexa or Google Assistant smart home device.





# ACCENT LIGHTING

Soft, restful light for relaxing spaces, or bright, colourful lighting for a busy family bathroom; you can create the right light in the right place with our modern LED technology Schlüter-LIPROTEC. A choice of indirect or direct light is available, which enables you to emphasise certain walls, illuminate tiled edges and bathroom features.

Once you've decided on the type of light you're after, then you can choose between neutral white, warm white or RGB+W LEDs. The latter allows for coloured and white LEDs on a single strip, giving the ultimate freedom for creating coloured light and temperature-controllable white light, which can be selected from 2500 K to 6500 K. The system can be programmed from a choice of 16 million colours, easily selected via a Bluetooth app and remote control.

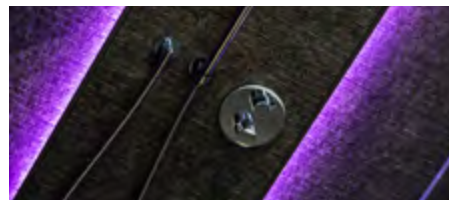
Suitable for moisture-rich areas such as bathrooms and showers, the LED strips are completely encapsulated and conform to IP67 protection rating.

## Schlüter®-LIPROTEC-LLP



Plug-and-play LED modules designed to create direct lighting features.

## Schlüter®-LIPROTEC-LLPM



Plug-and-play LED modules designed to create indirect lighting features.

## Schlüter®-KERDI-BOARD-NLT



Pre-fabricated waterproof niches with a choice of LED lighting options.

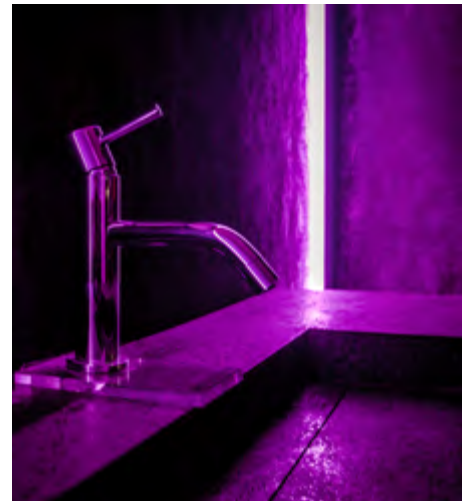
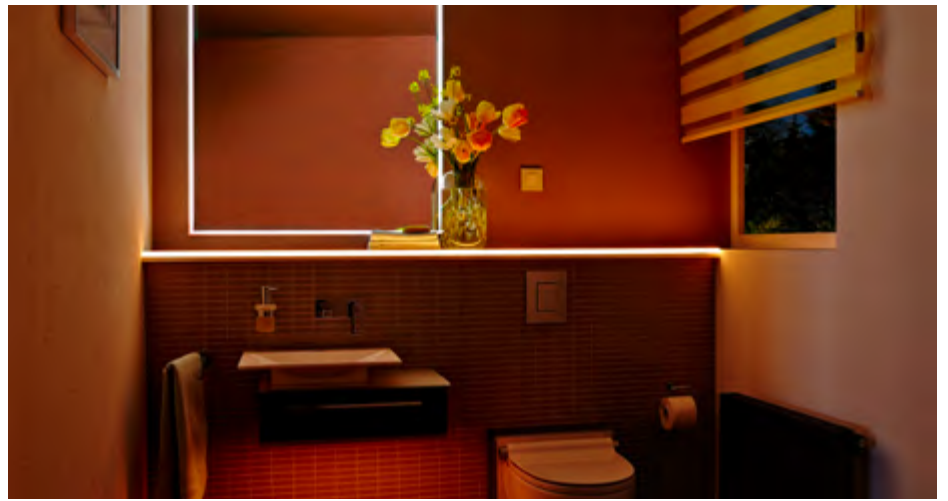
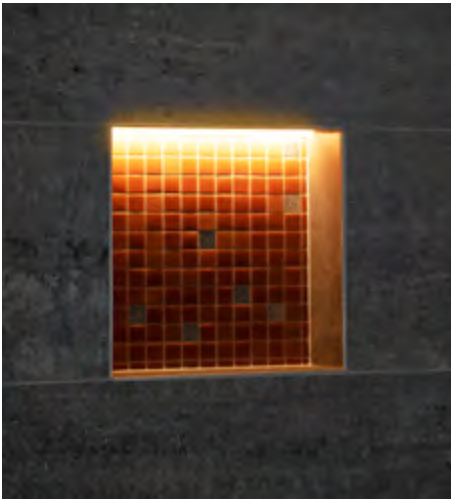
## Schlüter®-LIPROTEC-EASY

Individual light installation made easy – due to convenient plug systems and easy mounting, the plug-and-play series provides solutions for every situation, even for installers who are not experts.

- ✓ Convenient plug systems
- ✓ Easy installation
- ✓ Ready for immediate use
- ✓ Power supply units up to 100 W









# DESIGNER STORAGE

Drill through tile or stone to add accessories and you may damage both your covering and the waterproofing behind. Our shelves are installed at the same time as the covering or can be retrofitted at a later date, avoiding the need for unsightly screws and creating a stronger end result that flows neatly with the grout lines.

Schlüter®-SHELF offers a choice of patterns with the FLORAL, CURVE, PURE, SQUARE and WAVE variants. The same patterns can be found in our point and linear drainage options so you can achieve a coordinated design. There are also plenty of finishes to choose from, including brushed stainless steel and powder coated aluminium.

## Schlüter®-SHELF-E



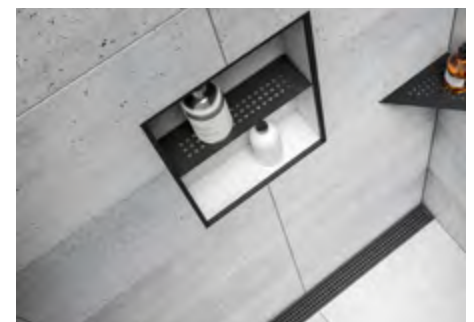
*Install with the tiles or retrofit to existing tiled walls, our Schlüter®-SHELF-E wall shelves for corner installations are available in a choice of shapes.*

## Schlüter®-SHELF-W



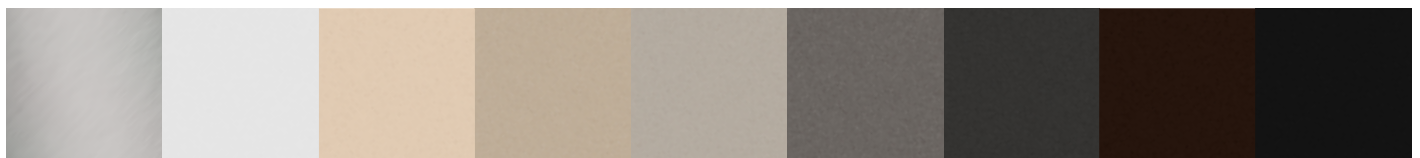
*Install in wall areas during the tiling, the rectangular Schlüter®-SHELF-W is our largest shelf option.*

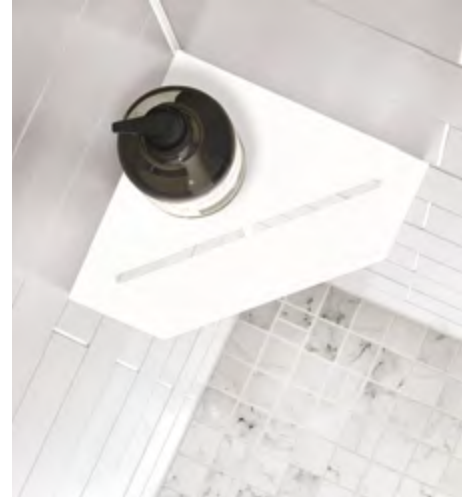
## Schlüter®-SHELF-N



*The rectangular wall shelf Schlüter®-SHELF-N is perfectly matched to our prefabricated, waterproof KERDI-BOARD niches which come with the option of stylish LED lighting.*

## Finishes Available







# TILE TRIMS

When it comes to tiling a wall or floor, it's not just the tile itself that needs serious consideration. Equally important is the tile profile, also known as a tile trim, which covers the edge of an exposed tile. This may seem like an afterthought, but the trim will allow you to finish the tiling in style and protect it for the long-term.

Whether you're looking for a trim to contrast the tile design or one to blend in, there are plenty of finishes to choose from, as well as different shapes.

## Schlüter®-JOLLY



*L-shaped tile edge trim for walls.*

## Schlüter®-QUADEC



*Cubic shaped tile edge trim for walls.*

## Schlüter®-RONDEC



*Rounded tile edge trim for walls.*

## Schlüter®-FINEC



*Mitred tile edge trim for walls.*

## Schlüter®-FINEC-SQ



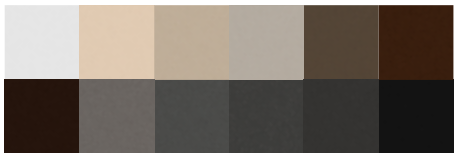
*Cubic mitred tile edge trim for walls.*

## Schlüter®-DECO-SG

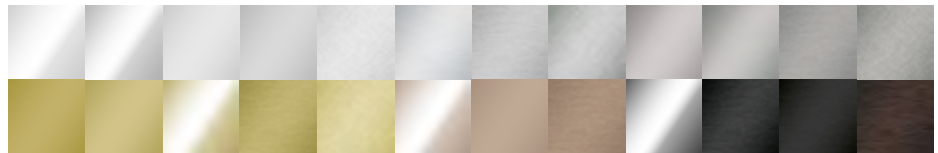


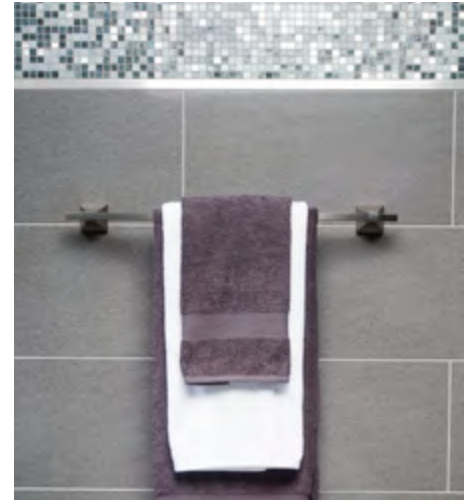
*Shadow gap shower screen tile trim.*

## Textured Colour Finishes



## Metallic Finishes







# OUR SERVICES

Choosing Schlüter-Systems isn't just about buying a product from us. Our people, our service and our approach, combined with our innovative product systems, means that you're making a safe and dependable choice.

The Schlüter team provides the best customer service available to everyone involved in creating dream bathrooms. Our technical expertise includes offering advice before an installation is carried out, providing solutions for potential problem areas to ensure that issues don't arise and that everything goes to plan.

## Training & Guidance



*From hands-on training days at our offices to bite-size learning in your showroom, we're here to help.*

## Project Support



*Post-training, we can help answer questions or provide guidance at every stage of a project.*

## Technical Support



*Our experienced Technical Team offer a variety of services to ensure that no detail is left unchecked.*

## Comprehensive CAD Drawing



*If a project requires a particular CAD drawing to show a specific detail for your team, we can provide these.*

## Virtual Worlds



*Lots of our products are available on Virtual Worlds so you can easily add them to your designs.*

## Sample Service



*Free samples can be sent out to help narrow down choices, particularly useful for our range of tile trims.*

# Did we pique your interest?

Scan the QR code below to find out more or visit: [schluter.co.uk](https://www.schluter.co.uk)



