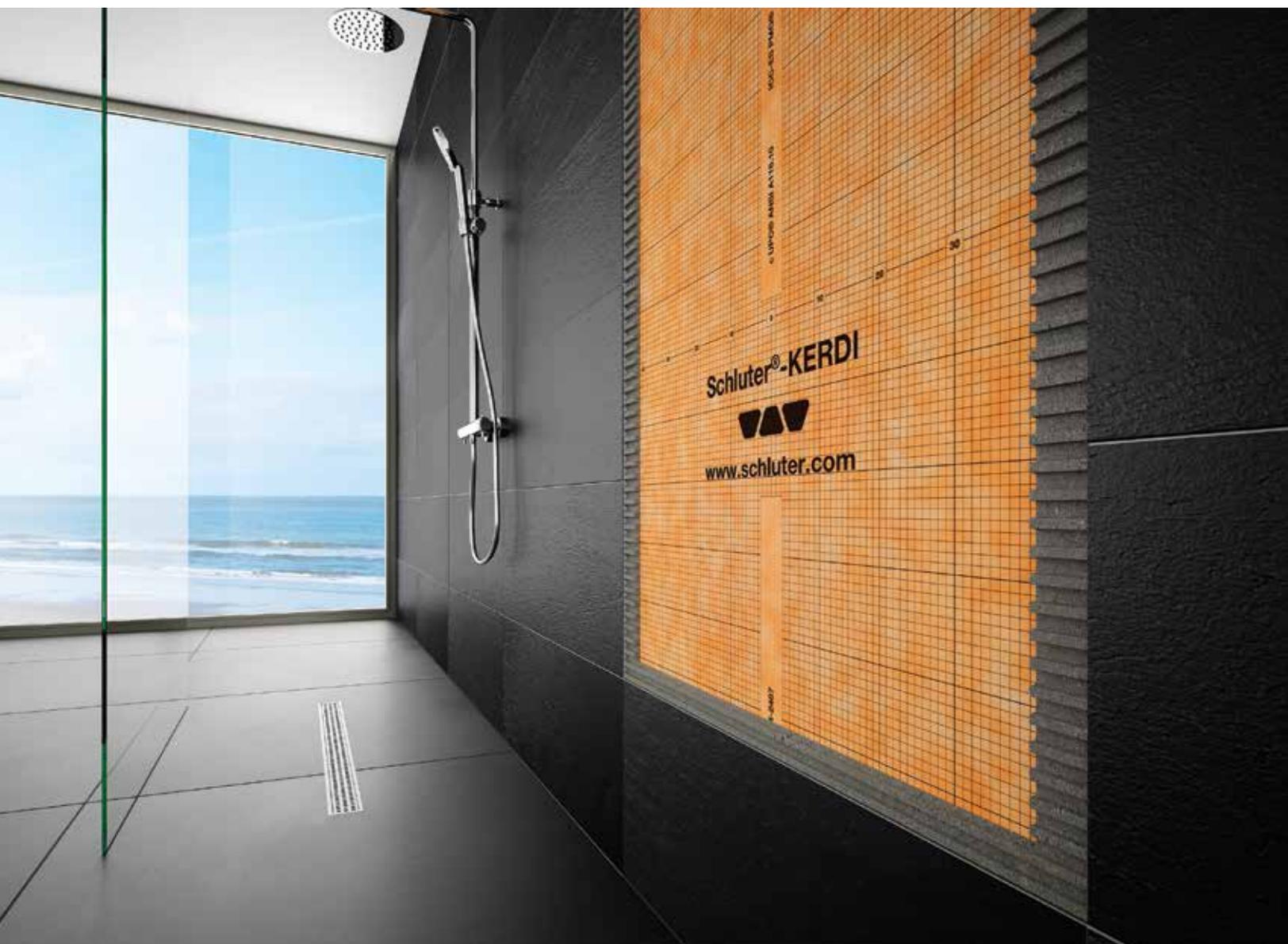


# Schluter®-Shower System

Complete waterproofing system for tiled showers

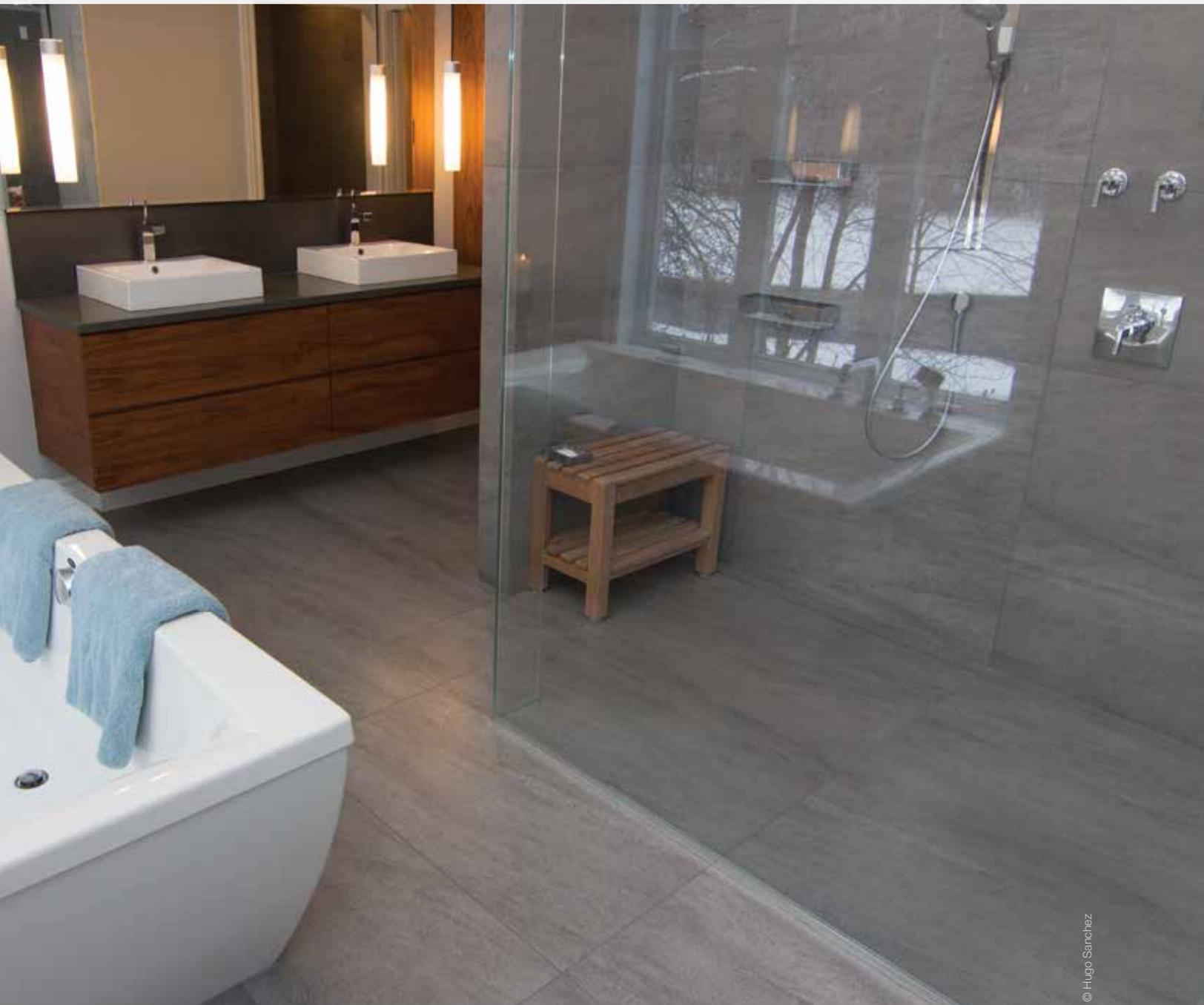


PROFILE OF INNOVATION

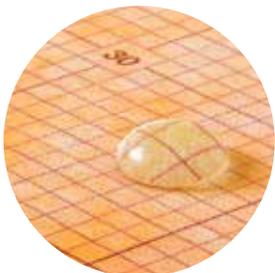


# Tile: The Perfect Choice for the Bathroom

Tile is not only timeless and beautiful, it's also durable, hygienic, and easy to clean making it ideal for wet areas.



© Hugo Sanchez



## The Importance of Moisture Management

To ensure the lasting beauty of your new bathroom and protect your investment, a complete waterproofing system is essential.

Contrary to popular belief, tile and grout joints (even sealed grout joints) are not waterproof. Moisture that penetrates these areas and collects in the wall cavities or floor structure is the primary cause of leaks and mold. In order to create a tiled shower that will last a lifetime, a waterproofing system is needed beneath the tile covering.

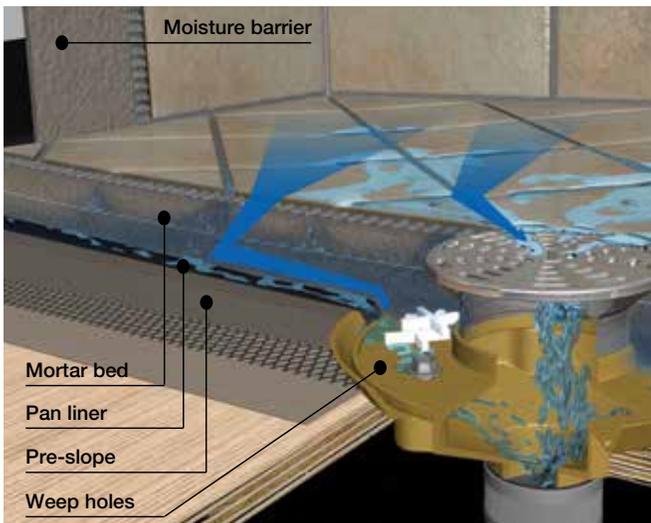


# The Traditional Shower vs. the Schluter® Shower

Waterproofing is the foundation of a successful tiled bathroom. Moisture-sensitive construction materials such as wood framing, plywood or OSB sheathing, gypsum wallboard, etc. must be protected from water and vapor penetration. Wet areas increase the potential for mold growth if effective moisture management is not provided. The key to mold is moisture control.

## The Traditional System

Pan liner method



The traditional method for installing tiled showers is both time and labor intensive, requiring many steps to ensure success.

First, a mortar bed is sloped to the weep holes in the drain. The waterproofing membrane, called a pan liner, is placed over this “pre-slope” and clamped into the drain. The pan liner is carried over the curb and up the walls about 3 inches above the curb. A moisture barrier, such as tar paper or plastic sheeting, is placed on the walls and lapped over the pan liner.

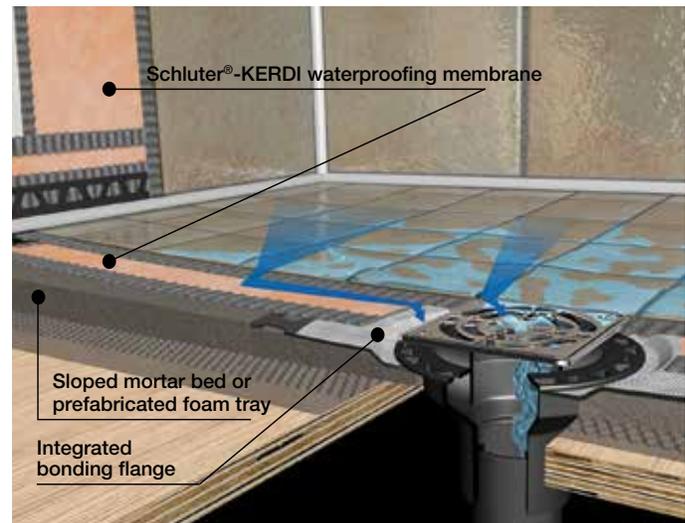
While this completes the waterproofing installation, additional prep work is required because the waterproofing materials used in this system do not allow for the direct application of tile. A mortar bed is placed over the pan liner, and the walls are covered with mortar or tile backerboard. These materials provide a support layer and bonding surface for the tile.

Contrary to popular belief, the tile covering itself is not waterproof. When the shower is in use, water and vapor will penetrate the mortar bed and tile backing on the walls. This moisture must seep through the mortar bed to the sloped pan liner and exit through the weep holes in the drain. In this way, the assembly can be described as a “water-in/water-out” system.

With regular use of the shower, the mortar bed can remain soaked, particularly if the pre-slope installation is ignored or the weep holes in the drain become clogged. With no way to escape, the water will continue to build up. The continued presence of moisture increases the potential for efflorescence and mold growth within the system.

## Schluter®-Shower System

Bonded waterproofing



The Schluter®-Shower System is an integrated family of products that improves on the traditional system by simplifying tiled shower installations.

The process begins with the installation of solid backing panels (e.g., gypsum panels or tile backerboards) on the walls and either a sloped mortar bed or the prefabricated KERDI-SHOWER-ST shower tray on the floor. These materials provide the support for the waterproofing system and the tile.

Now the waterproofing application begins. The KERDI-DRAIN is installed on top of the mortar bed or the shower tray. Then the KERDI waterproofing membrane is bonded to the surfaces of the walls and base, including the KERDI-DRAIN. The KERDI-DRAIN features a large, integrated bonding flange that ensures a secure connection to the KERDI waterproofing membrane. Unlike the waterproofing materials used in the traditional system, tile can be set directly on the KERDI membrane using thin-set mortar.

This is what makes the Schluter®-Shower System unique. The waterproofing system is installed on top of the backing materials rather than below. This eliminates the potential for moisture to seep into the mortar bed or the tile backing on walls, and thus allows the tile covering to dry between uses. The integrated Schluter®-Shower System eliminates leaks, reduces the potential for efflorescence and mold growth in the system, and dramatically reduces total installation time to ensure success and make shower installation easier than ever.





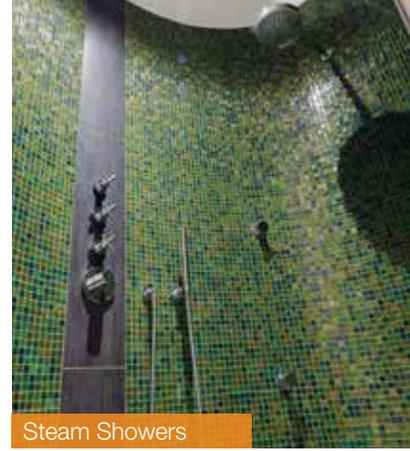
Showers



Barrier-free Showers

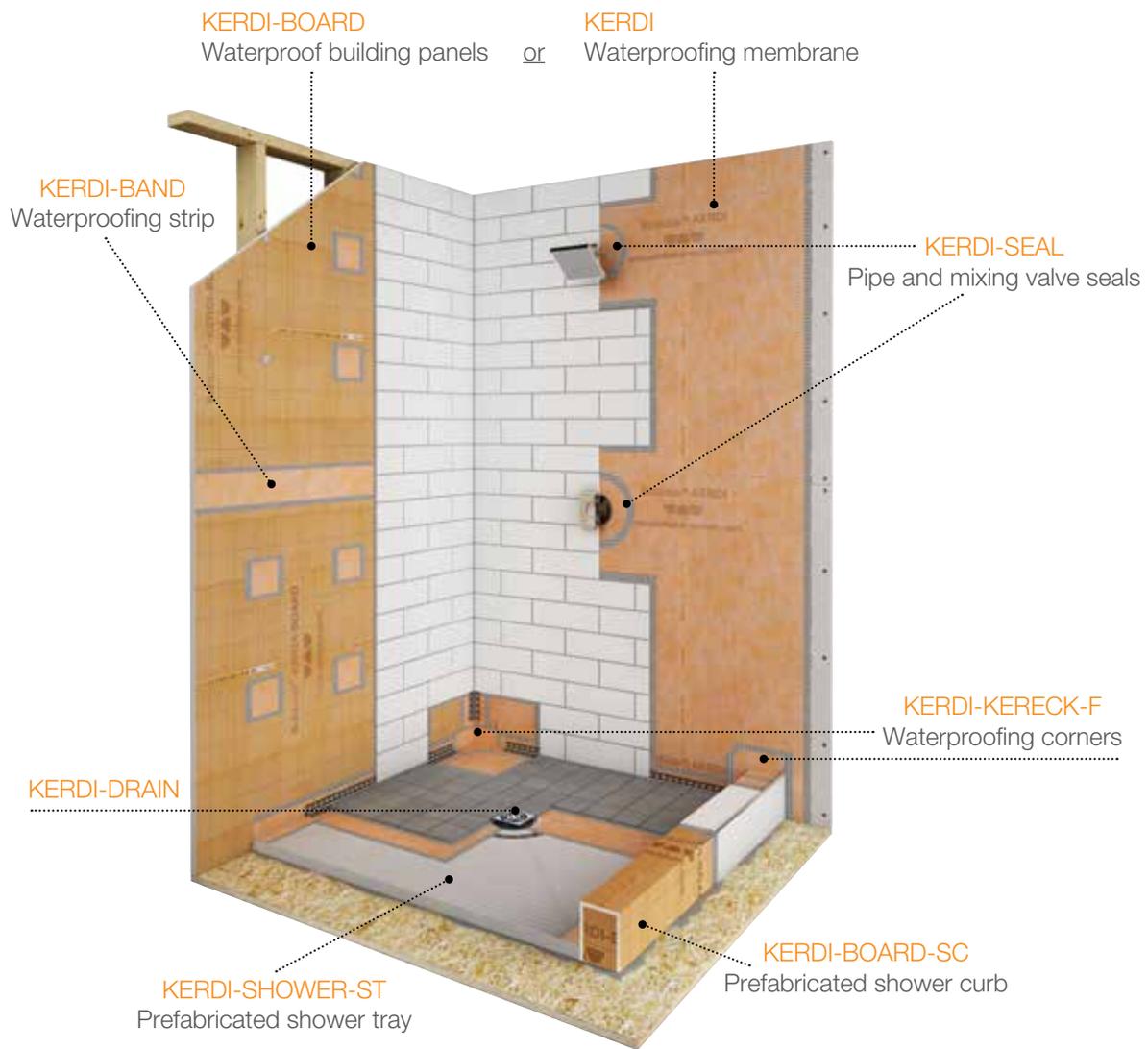


Bathtub Surrounds



Steam Showers

# Typical Shower Application



**Schluter® Thin-set Mortar**

Made by Schluter, for Schluter products

See the Lifetime Thin-set System  
Extended Limited Warranty at [schluter.com](http://schluter.com)



# Waterproofing

Schluter®-Systems offers two options for creating fully waterproof shower walls:



## KERDI Shower

KERDI is a sheet-applied polyethylene waterproofing membrane and vapor retarder that is applied to the solid backing on the walls and the shower base.

- Prevents water and vapor penetration in wall cavities to prevent mold and mildew
- Protects moisture-sensitive building materials such as wood framing, plywood, and OSB
- Made of inorganic materials, KERDI will not promote mold growth
- Pliable and easy to install, tile is installed directly over the membrane

## KERDI-BOARD Shower

KERDI-BOARD is an extruded polystyrene foam panel that is installed directly on stud framing, and replaces gypsum or cement board to create shower walls.

- Waterproof and vapor-retardant, will not promote mold growth
- Even, impact-resistant, and rigid
- Contains no cement or fiberglass for a dust-free installation
- Lightweight and easy to cut with a utility knife, makes installation simple

## Waterproofing Accessories



**KERDI-BAND**  
Waterproofing strip



**KERDI-KERECK**  
Inside and outside waterproofing corners



**KERDI-SEAL-PS/-MV**  
Pipe and mixing valve seals



## KERDI-DRAIN

KERDI-DRAIN is a floor drain with an integrated bonding flange that provides a large contact area for a secure connection to the KERDI waterproofing membrane at the top of the assembly.

### Reduces Installation Time and Labor

Eliminates the prep work required in a two-step mortar pan.

### Adaptable

Appropriate for both mortar bed and KERDI-SHOWER-ST foam tray installations. Ideal for new constructions and remodels.

### Designed Specifically for Tile

Fully adjustable grate (vertical, lateral, and tilt) simplifies tile layout and installation. Square grate minimizes awkward cuts around the drain.

### Tileable



### Stainless Steel



Stainless Steel



Chrome



Oil-rubbed Bronze

### Anodized Aluminum



Brushed Nickel



Brushed Copper



Brushed Brass



#### Closed Design



Brushed Stainless Steel



Chrome

#### Perforated



Brushed Stainless Steel



Chrome

#### Frameless Tileable



## KERDI-LINE

KERDI-LINE is a low profile linear floor drain specifically designed for bonded waterproofing assemblies. The channel body features an integrated collar made of KERDI to ensure a simple and secure, watertight connection around the drain.

#### Design Versatility

With KERDI-LINE, the floor is sloped on a single plane which allows the use of large-format tile. KERDI-LINE is available in a range of lengths and can be installed adjacent to walls or at intermediate locations, further increasing design options.

#### Breaking Barriers

KERDI-LINE's low profile makes it ideal for barrier-free, open-concept spaces, including those designed to accommodate wheelchairs. Beautiful design meets function and accessibility!

#### Stunning Grate Finishes

Choose from two grate designs in brushed stainless steel or chrome for a modern look, or select the frameless tileable version for virtually invisible drainage.





© Atlas Concorde



© Hardcore Renos

# Prefabricated Shower Components

Prefabricated shower trays, curbs, benches, and niches provide a lightweight alternative to mortar bases and other constructions for quick and easy shower installations.

What's behind your tile matters—before you tile, make sure to start with the right foundation.







## Small Detail, Big Finish

The timeless beauty of ceramic and stone tiles can bring a relaxing spa feeling home. Schluter® profiles are suitable for creating hygienic transitions and protecting tile edges in wet areas.

### Profiles for Inside Corners

**DILEX** cove-shaped profiles create a curved surface that provides an easy-to-clean alternative for inside wall corners and floor/wall transitions—and also eliminate the need for caulking!

### Profiles for Outside Corners and Tile Edges

Exposed tile edges are unsightly and prone to chipping. The **QUADEC** square-shaped profile and **RONDEC** rounded profile protect and finish tile edges for visually appealing and long-lasting results. Edging profiles eliminate the need for special ceramic trim pieces, so you can select virtually any tile in the showroom.

### Details Make the Difference

Matching corners and end caps are available for most Schluter® profiles. These accessories eliminate the need for miter cuts, thus eliminating gaps and sharp edges, simplify installation and provide a polished, professional result.



Schluter® profiles are available in a wide range of colors and finishes to complement your design.



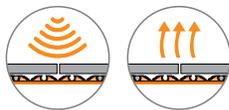
## Luxurious and Warm

### DITRA-HEAT Electric Floor Warming System

One feature that immediately separates an ordinary bathroom from an extraordinary one is a warm tiled floor. With DITRA-HEAT, tiled floors are not only warm, they are also more durable since this system incorporates an uncoupling mat to prevent cracked tiles and grout, in addition to waterproofing, vapor management and load support—covering all the common challenges in the bathroom.

- Electric floor warming adds a touch of luxury to the bathroom
- Integrated uncoupling technology protects tiles from cracking
- Heating zones are easily customizable using loose cable and studded mat
- Easy to install; no need for clips, fasteners, or leveling compound
- Minimal assembly thickness allows easy transitions to lower surface coverings

### DITRA-HEAT-DUO



All the same features as the DITRA-HEAT system, with the addition of a thicker bonding fleece that provides two further benefits: sound control and a thermal break for 70% faster warm-up times over concrete substrates.



*Want the full warm floor experience? Run the electric floor warming right into your shower!*

# Schluter®-Shower System Installation Handbook

The Installation Handbook contains comprehensive details, installation instructions, warranty information, and other helpful information to ensure the success of your installation.

**Please consult the Handbook prior to starting your tile project.**

To obtain a copy:  
Call: 800-472-4588 (USA) or  
800-667-8746 (Canada)  
Or download at [www.schluter.com](http://www.schluter.com)



## Installation Videos

 [youtube.com/user/schlutersystems1](https://www.youtube.com/user/schlutersystems1)

