



PROFILE OF INNOVATION



Schluter®-Shower System

Complete waterproofing
system for tiled showers



The timeless beauty of ceramic and stone tiles enhances the aesthetics of any bathroom. Tiled showers, steam showers, and bathtub surrounds are luxurious and add to the value of your home. From modern to rustic, contemporary to eclectic, tiles come in a vast selection of sizes, colors, shapes, and textures, allowing for limitless creativity in design.

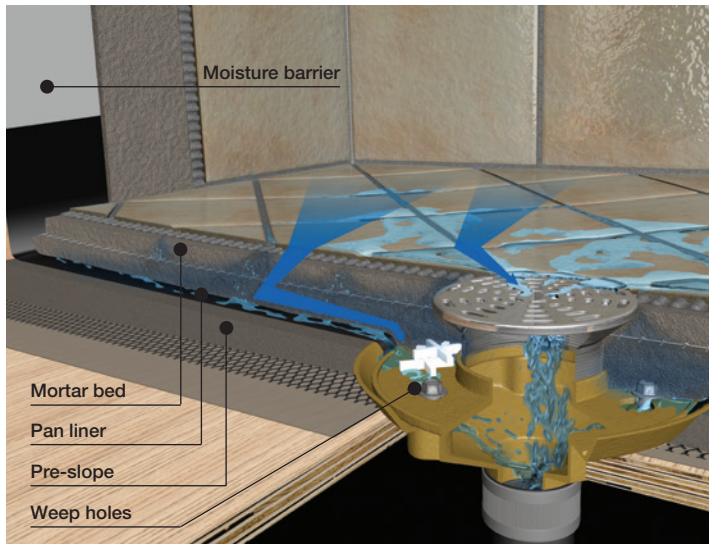
But tiles are not only beautiful; they are also highly functional. Ceramic and stone tiles are durable, easy to clean, and hygienic, making them an ideal choice for wet areas. With a reliable waterproofing system in place, a tiled bathroom provides the ultimate in practical as well as aesthetic appeal.



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 control is moisture control.

The traditional system

Pan liner method



The traditional method for installing tiled showers is both time and labor intensive and requires 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.

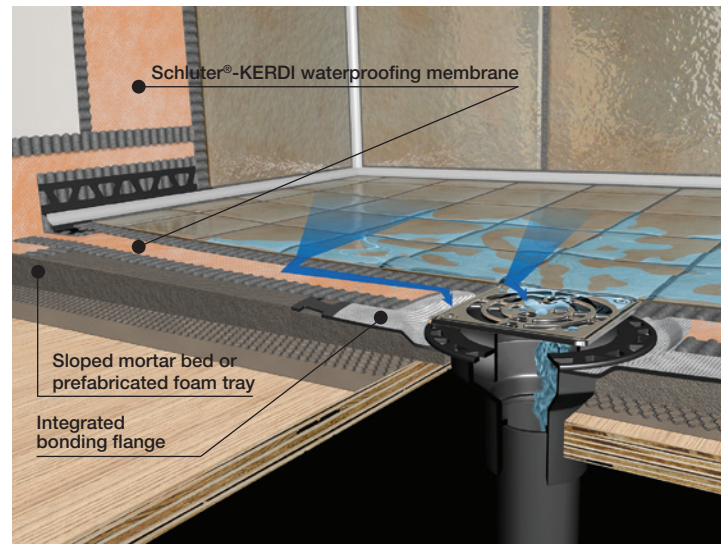
This completes the waterproofing system installation. However, additional prep work is required because the waterproofing materials used in this system do not allow for the direct application of tile. A mortar bed is placed over the pan liner, and the walls are covered with mortar or tile backerboard. 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.

Typical applications (for representative purposes only)

Shower assembly



- 1 Ceramic or stone tile
- 2 **KERDI**
Waterproofing membrane
- 3 **KERDI-BAND**
Waterproofing strip
- 4 **KERDI-KERECK-F**
Waterproofing corners
- 5 **KERDI-SEAL**
Pipe and mixing valve seals or
KERDI-FIX
Sealant and bonding compound
- 6 **KERDI-DRAIN**
- 7 **KERDI-SHOWER-ST**
Prefabricated tray or mortar bed
- 8 **KERDI-BOARD-SC**
Prefabricated curb or built-up curb
- 9 **KERDI-BOARD**
Waterproof building panels

Bathtub surround



The KERDI waterproofing system is also ideal for constructing steam showers, limited mobility assemblies, and bathtub retrofits.

Schluter®-KERDI-LINE



An elegant low-profile linear floor drain

- Integrates with the Schluter®-Shower System
- Can be installed adjacent to walls or at intermediate locations
- Floors can be sloped on single plane, enabling use of large-format tile
- Suitable for wheelchair accessible showers
- Sloped shower trays with integrated KERDI waterproofing available



The essentials of waterproofing

Schluter®-KERDI

Waterproof

KERDI is a bonded waterproof membrane that allows the direct application of tile and protects the shower base and solid backing on walls from water and moisture penetration. KERDI meets the requirements of ANSI A118.10.

Vapor retarder

KERDI has a vapor permeance of 0.75 perms and effectively manages water vapor in tiled shower and steam shower applications.

Durable

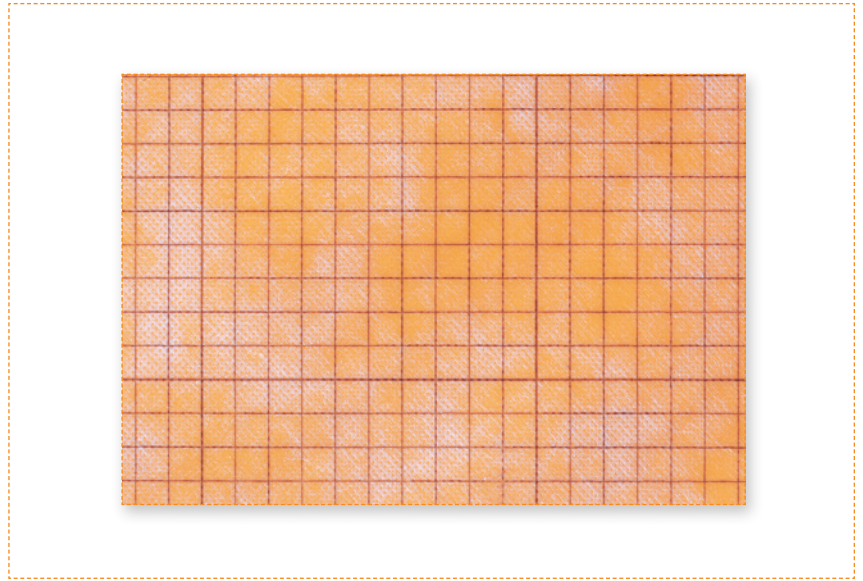
KERDI is resistant to chemicals typically found in showers, will not support mold growth, and will not rot or degrade over the life of the tile assembly.

Simple installation

As a sheet membrane, KERDI guarantees uniform thickness for reliable installation. It hangs as easily as wallpaper and is very pliable.

Product evaluation and listings

- ICC-ES (ESR-2467)
- cUPC®



Schluter®-KERDI-DRAIN

Designed for bonded waterproof membranes

The integrated bonding flange ensures a secure connection to the KERDI membrane at the top of the assembly.

Reduces installation time and labor

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

Adaptable

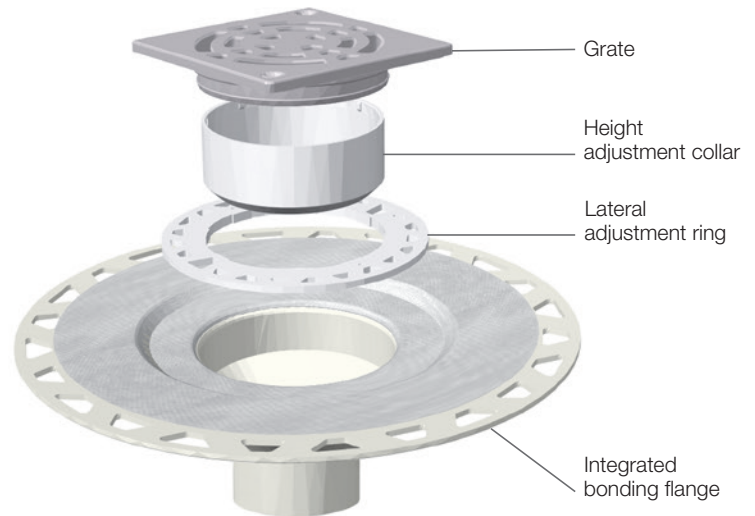
Appropriate for both mortar bed and KERDI-SHOWER-ST foam tray installations. Ideal for new construction and renovation work.

Designed specifically for tile

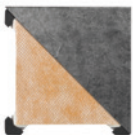
Fully adjustable grate (vertical, lateral, and tilt) simplifies tile layout and installation. Square grate minimizes awkward cuts around the drain.

Product evaluation and listings

- UPC®
- CSA
- NSF



Tileable Grate



4"

Create a seamless transition from your drain to your tiled shower floor.

Anodized Aluminum Grates



4"
Nickel



4"
Copper



4"
Brass

Stainless Steel Grates



4"
Oil-rubbed bronze



4"
Polished



6"
Polished



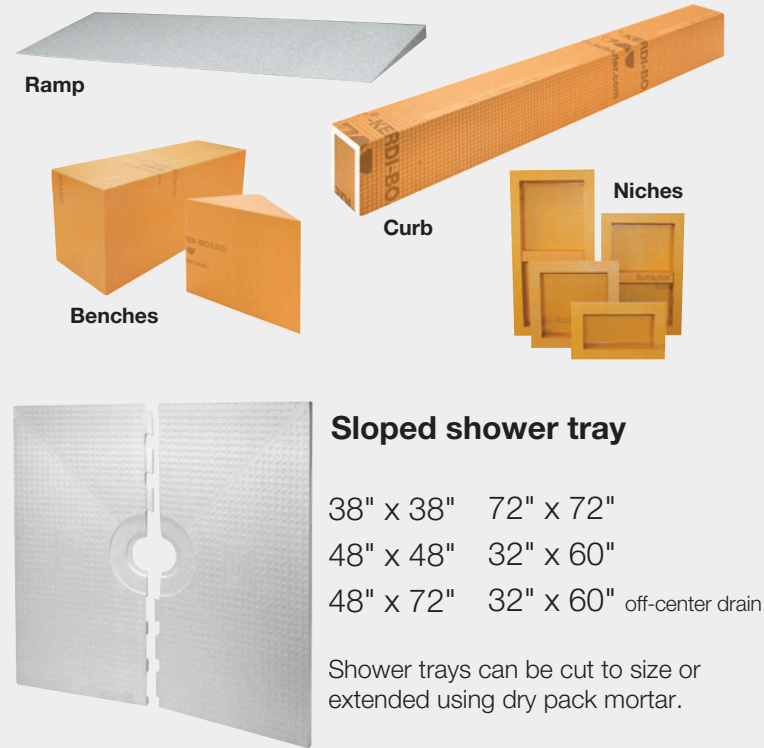
6"
Polished

Building a beautiful, durable, and functional tiled shower in 3 simple steps



1 Choose your components

With prefabricated shower components building your shower is simple, and takes a fraction of the time to install versus a traditional system.



3 Finish and protect your tile installation with profiles



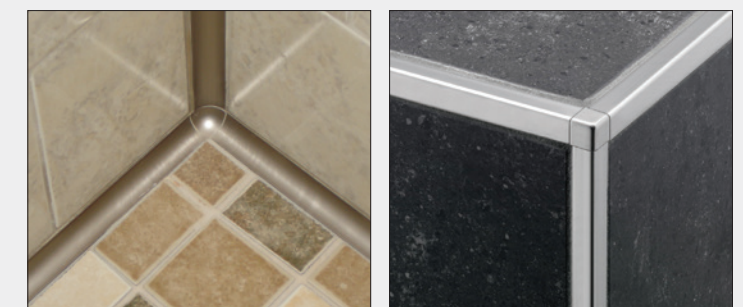
Profiles for inside corners

DILEX cove-shaped profiles create smooth, rounded inside corners to create discreet lines that mimic grout joints and replace caulking.



Profiles for outside corners and tile edges

Exposed tile edges are unsightly and prone to chipping. The **QUADDEC** 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.

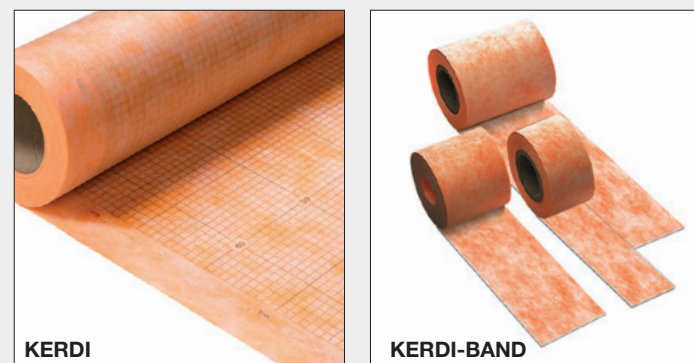


Details make the difference!

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

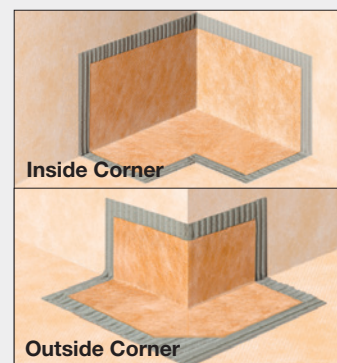
2 Make it watertight

KERDI products protect against water and vapor penetration to ensure successful tiled shower installations.



KERDI is a bonded waterproofing membrane and vapor retarder that is pliable and easy to install.

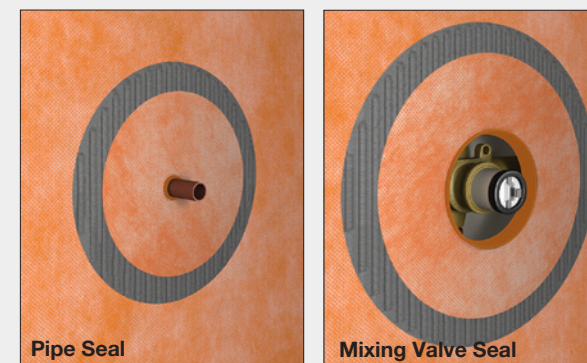
KERDI-BAND is used to seal butt joints and floor/wall connections, and is half the thickness of KERDI to limit buildup.



KERDI-KERECK-F preformed, seamless corners make it easy to waterproof corners.



KERDI-DRAIN ensures a secure connection to the KERDI waterproofing membrane at the top of the assembly.



Pipe and mixing valve protrusions can be tricky areas to waterproof. The **KERDI-SEAL-PS** and **-MV** prefabricated seals with overmolded rubber gaskets ensure a permanently watertight seal at pipe and mixing valve protrusions without the need for messy sealant.

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

Complete installation instructions

To obtain or download a free copy of the Schluter®-Shower System Installation Handbook or DVD, visit www.schluter.com or call 800-472-4588 (US) or 800-667-8746 (CAN).



Proven track record since 1987

Schluter®-Systems has been providing innovative solutions for tile installation since 1975. The introduction of Schluter®-KERDI in 1987 revolutionized the way that tiled showers were built. Its performance has been verified through extensive laboratory testing and field experience. The Schluter®-Shower System has earned its reputation as the most reliable waterproofing system for tile installation available today.

USED BY HOMEOWNERS



"6 years ago, a contractor built my tiled shower using the traditional pan liner system. A year later, mold started to appear in the grout joints on the floor and bench areas. After removing the tiles, the cement base and part of the walls were completely wet, and, in some areas, covered with mold. The contractor assured me that by using the Schluter®-Shower System I would not encounter this problem again. It has now been 4 years, and my shower looks as good as the first day I used it!"

Caroline Brunet
Homeowner

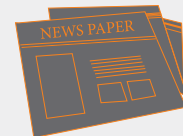
USED BY CONTRACTORS



"We first began using the Schluter®-Shower System 6 years ago, and now we use it on all standard and steam showers. Compared to traditional methods, this system is truly waterproof, as it eliminates mold and mildew problems. Whether we are installing a regular ceramic or a high-end stone, we always regard surface preparation as being paramount."

Hugo Sanchez
Tile Installation Company

IN THE MEDIA



"...the best shower kit on the market..."

Winnipeg Free Press

"...it's a reliable, watertight shower system that can be installed in half a day versus two days for a traditional mud-set shower pan..."

The Oregonian



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