Schluter Systems®

PROFILE OF INNOVATION

Commercial Product Overview

Beautiful, durable, maintenance-free

Profiles for Floors

Because ceramic and stone tiles are inherently brittle, their exposed edges can chip and crack if left unprotected. Transitions between floor surfaces and at thresholds are particularly vulnerable to damage. In addition, adjoining surfaces of different heights require a properly sloped transition to avoid trip hazards. Schluter®-Systems offers a variety of profiles to provide edge protection and transitions at thresholds and between adjacent surfaces, resulting in durable, maintenance-free tiled coverings.

Schluter® profiles are available in a variety of shapes, sizes, materials, and finishes.

Technical Note: Accessibility requirements regarding transitions between surfaces of different heights:

- Up to 6 mm *(1/4")* - no special requirements
- 6 mm *(1/4")* to 12.5 mm *(1/2")* - slope ratio, 1:2
- More than 12.5 mm *(1/2")* - slope ratio, 1:12

RENO-TK

Schluter®-RENO-TK is designed to protect tile edges and provide a smooth transition from tile coverings to floor coverings at lower elevations, typically carpet. The 1/4" *(6 mm)* channel beneath the sloped flange of the profile hides and protects the cut edge of lower adjoining surface coverings. RENO-TK in anodized aluminum sizes 5/16" *(8 mm)* and larger features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile.

RENO-RAMP

Schluter®-RENO-RAMP is designed to protect tile edges and provide a smooth transition between tile coverings and floor coverings at lower elevations or finished concrete. The sloped surface eliminates trip hazards and allows easy access for wheel carts. RENO-RAMP features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile.

Note: Sizes 9/16" *(15 mm)* and 3/4" *(20 mm)* are not accessibility compliant

RENO-U

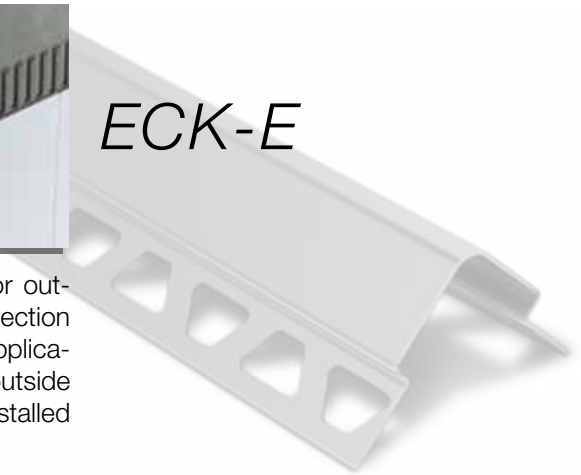
Schluter®-RENO-U is designed to protect tile edges and provide a smooth transition between tile coverings and floor coverings at lower elevations or finished concrete. The sloped surface eliminates trip hazards and the leading edge of the profile abuts the lower surface covering. RENO-U in anodized aluminum features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile.

Note: Sizes 3/4" *(20 mm)* and 11/16" *(17.5 mm)* are not accessibility compliant.

Profiles for Walls

Ceramic and stone tiles are durable, hygienic, heat resistant, and easy to maintain, representing the ideal surface covering for walls in commercial/industrial applications. Schluter®-Systems offers various finishing and edge-protection profiles for walls that offer increased design flexibility because they can be integrated with any field tile to create a beautiful, durable installation.

ECK-E



Schluter®-ECK-E is a stainless steel edging profile for outside corners of tiled walls that offers excellent edge protection against mechanical stresses in commercial/industrial applications. The profile produces a radiused edge along the outside wall corner for a clean, decorative finish. ECK-E is installed simultaneously with the tile.

ECK-K

Schluter®-ECK-K is a stainless steel edging profile for outside corners of tiled walls that offers excellent edge protection against mechanical stresses in commercial/ industrial applications. The profile produces a radiused edge along the outside wall corner for a clean, decorative finish. ECK-K is subsequently bonded to the outside corners of existing installations. As such, ECK-K can be installed as a repair so that existing, damaged corners do not have to be replaced.

RONDEC

Schluter®-RONDEC is a finishing and edge-protection profile for tiled edges and outside corners of tiled surfaces. The reveal of the profile forms a symmetrically rounded corner along the surface edge. RONDEC allows for color coordination with tile and grout and the creation of interesting accents in decorative designs.

Matching inside and outside corners are available.

QUADEC

Schluter®-QUADEC is a finishing and edge-protection profile for tiled edges and outside corners of tiled surfaces. The reveal of the profile forms a square outer corner along the surface edge. QUADEC can also be used as an accent within tile fields on both floors and walls. QUADEC allows for modern decorative design and interesting contrasts.

Matching inside and outside corners as well as end caps are available.

Profiles for Stairs

Tiled stairs edges that do not utilize appropriate trim pieces are vulnerable to chipping and breaking and create a slip hazard, especially in exterior applications. Schluter® stair-nosing profiles protect exposed tile edges and improve safety on tiled stairways by providing slip-resistant wear surfaces and increased visibility in both residential and commercial applications.

Stair specifications:

- Closed Riser
- Maximum rake of 60%
- Uniform riser height
- Maximum nosing projection of 38 mm with a bevel or radius between 6 mm and 10 mm and no abrupt underside
- Color contrasting, slip resistant nosings 40 - 60 mm deep
- Minimum light level of 100 lux
- Detectable warning surface at the top of the stairway

TREP-E

Schluter®-TREP-E is designed to protect tiled stair edges and provide an easily visible, slip-resistant wear surface for durable, safe, and visually appealing stair-nosing design. The profiles are made of stainless steel with an integrated non-slip tread, making them suitable for interior and exterior use in areas subjected to heavy foot-traffic, such as offices or public buildings.

The exposed surface of TREP-E is:
1-3/16" *(30 mm)*

Matching end caps are available.

A retrofit profile TREP-EK is available.
This profile is bonded to existing installations.

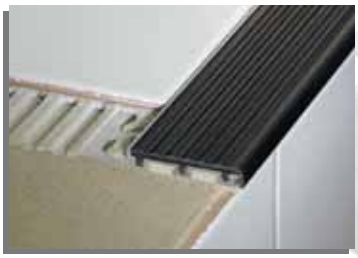
TREP-G

Schluter®-TREP-G is designed to protect tiled stair edges and provide an easily visible, slip-resistant wear surface for durable, safe, and visually appealing stair-nosing design. The profile is made of stainless steel, making them suitable for interior and exterior use in areas subjected to heavy foot-traffic, such as offices or public buildings. The surface features a self-adhesive, non-slip tread with an embedded mineral grain coating, which is available in a variety of colors and can be replaced in case of damage or wear.

The exposed surface of TREP-G
is available in two sizes:
1-3/16" *(30 mm)*
2-5/32" *(55 mm)*

Matching end caps are available.

A retrofit profile TREP-GK is available.
This profile is bonded to existing installations.



TREP-SE/-S/-B

Schluter®-TREP-SE/-S/-B are designed to protect tiled stair edges and provide an easily visible, slip-resistant wear surface for durable, safe, and visually appealing stair-nosing design. They are suitable for use in areas subjected to heavy foot-traffic, such as offices or public buildings. The profiles feature a trapezoid-perforated anchoring leg made of stainless steel (-SE) or aluminum (-S and -B), with a slip-resistant, thermoplastic rubber wear surface. The tread surface is available in a variety of colors and can be replaced in case of damage or wear.

The exposed surface of TREP-SE/-S is:
1-1/32" *(26 mm)*

The exposed surface of TREP-B is:
2-1/16" *(52 mm)*

Matching end caps are available.

Movement joint and cove-shaped profiles

An installed ceramic tile floor is rigid by nature and similar in physical characteristics to a large sheet of glass. This is particularly true with today's large-format tiles and narrow joint design. Stress buildup occurs within large surfaces and at perimeters, causing cracking and loosening of the tile covering. In addition, caulking is often used to create a movement zone. Unfortunately, caulking material has a limited lifespan and eventually breaks down, leaving the tiled edges exposed and vulnerable to damage.

Expansion joints must be incorporated within large surfaces, at doorsills, and at transitions to walls and other restraining structures to allow movement and thus reduce stress buildup. Schluter®-Systems' prefabricated movement joint profiles eliminate the need for caulking, protect tile edges, and prevent sound bridges and surface water penetration, resulting in a permanent, maintenance-free installation. The family of Schluter®-DILEX prefabricated movement joints includes a variety of shapes, sizes, and materials to suit different applications.

DILEX-KSN

7/16" *(11 mm)*-wide, soft thermoplastic rubber movement zone

Schluter®-DILEX-KSN is a surface joint profile with stainless steel, solid brass, or aluminum anchoring legs that protect tile edges and a soft thermoplastic rubber movement zone that separates individual fields in the tile covering and forms the visible surface. The movement zone is available in different colors to match the grout and can be replaced if damaged. DILEX-KSN in stainless steel offers secure edge protection for surfaces exposed to heavy-duty commercial traffic (e.g., warehouses, production facilities, or shopping malls.

DILEX-EDP

15/32" *(12 mm)*-wide stainless steel tongue-and-groove connection

Schluter®-DILEX-EDP is a stainless steel surface joint profile accommodates horizontal movement, protects tile edges and separates individual fields in the tile covering. DILEX-EDP is particularly suited for tile surfaces subject to heavy use, including areas exposed to continuous vehicular traffic. The profile is, therefore, suited for use in product plants, warehouses, shopping centers, and underground parking garages, or for floor surfaces maintained with cleaning machines.

DILEX-BT

1-3/16" *(10 mm)*-wide telescopic center section

Schluter®-DILEX-BT is an expansion joint profile made of anodized aluminum that bridges expansion joints and accommodates horizontal movement. DILEX-BT protects tile edges and is suitable for tile surfaces exposed to foot traffic as well as vehicular traffic and is, therefore, suited for use in warehouses, production facilities, shopping centers, airports, train stations, and parking garages, or for coverings cleaned with machines.

DILEX-BWB

Schluter®-DILEX-BWB is a surface joint profile with rigid PVC anchoring legs that protect tile edges and a soft CPE movement zone that separates individual fields in the tile covering and forms the visible surface. The movement zone is available in different colors to match the grout. DILEX-BWB is suitable for residential to medium-duty commercial applications subject to light mechanical loads (e.g., offices and stores).

3/8" *(10 mm)*-wide,
soft CPE movement zone

DILEX-KSA

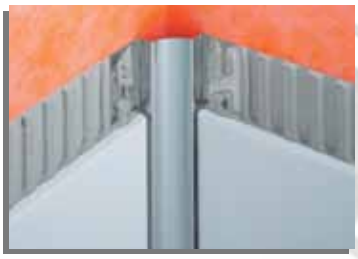
Schluter®-DILEX-KSA is a perimeter joint profile with a stainless steel or aluminum anchoring leg and soft thermoplastic rubber movement zone that isolates the tile covering from fixed building elements (e.g., window and door frames). The movement zone is available in different colors to match the grout and can be replaced if damaged. The profile also features a self-adhesive strip that allows it to bond to the fixed building elements.

3/8" *(10 mm)*-wide, soft thermoplastic rubber movement zone

DILEX-BWA

Schluter®-DILEX-BWA is a perimeter joint profile with a rigid PVC anchoring leg and a soft CPE movement zone that isolates the tile covering from fixed building elements (e.g., bathtubs, shower trays, door and window frames) and forms the visible surface. The movement zone is available in different colors to match the grout. The profile also features a dovetailed channel made of rigid PVC that can be bonded to the fixed building elements.

3/16" *(5 mm)*-wide,
soft CPE movement zone



DILEX-EHK

Schluter®-DILEX-EHK is a stainless steel, cove-shaped profile for inside wall corners, countertop/backsplash transitions and floor/wall transitions in applications where limited movement is expected. DILEX-EHK prevents surface water penetration and meets the maintenance and hygienic requirements of commercial kitchens, bathrooms, food processing plants, or any tiled environment where a sanitary cove base is desired.

23/32" *(18.5 mm)* radius cove prevents the accumulation of dirt and makes cleaning simple.

Matching inside and outside corners as well as end caps are available.

DILEX-AHK

Schluter®-DILEX-AHK is an anodized aluminum, cove-shaped profile for inside wall corners, countertop/backsplash transitions and floor/wall transitions in applications where limited movement is expected. DILEX-AHK prevents surface water penetration and meets the maintenance and hygienic requirements of commercial kitchens, bathrooms, food processing plants, or any tiled environment where a sanitary cove base is desired.

3/8" *(10 mm)* radius cove prevents the accumulation of dirt and makes cleaning simple.

Matching inside and outside corners as well as end caps are available.

DILEX-PHK, a PVC alternative to the AHK, is available.

DILEX-AHKA

Schluter®-DILEX-AHKA is an anodized aluminum cove-shaped profile for transitions between walls to be tiled and previously finished floors. The profile features a single trapezoid-perforated anchoring leg that is secured in the mortar bond coat and a dovetailed channel, which can be bonded to floor surfaces using Schluter®-KERDI-FIX, epoxy resin, silicone, thin-set mortar, etc. DILEX-AHKA prevents surface water penetration and meets the maintenance and hygienic requirements of commercial kitchens, bathrooms, food processing plants, or any tiled environment where a sanitary cove base is desired.

3/8" *(10 mm)* radius cove prevents the accumulation of dirt and makes cleaning simple.

Matching inside and outside corners as well as end caps are available.

Barrier-free Showers

There is increasing demand for accessible living spaces. Tiled showers typically feature curbs to retain water in the stall, which can make entry difficult for those with limited mobility, including individuals who need the assistance of wheelchairs. Barrier-free tiled showers eliminate the use of a curb and rely on the slope of the floor to keep water inside the stall, thus improving accessibility. Ideally, the floor will be recessed before installing a sloped mortar bed or the Schluter®-KERDI-SHOWER-ST shower tray to allow an even transition at the door threshold. When recessing the floor is not an option, it is necessary to provide a ramp up into the shower area. The Schluter®-KERDI-SHOWER-ST/-SR tray and ramp can be useful tools in such applications.

Shower specifications:

- Interior clear area of at least 900 mm x 150 mm
- Clear floor area in front of at least 900 mm deep and the same width as the shower
- A roll-in threshold not exceeding 13 mm high with a maximum b level slope of 1:2
- A floor drain located outside the shower stall

Photo courtesy of: Reliable Independent Living Services

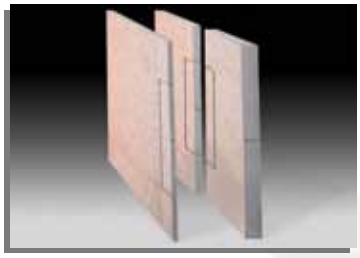
KERDI-LINE

Schluter®-KERDI-LINE is a low profile linear floor drain specifically designed for bonded waterproofing assemblies. KERDI-LINE can be installed adjacent to walls or at intermediate locations in showers, wet rooms, and other applications that require waterproofing and drainage. The floor can be sloped on a single plane to KERDI-LINE, which enables the use of large-format tiles and creates interesting design opportunities.

Stainless steel channel body

Standard 2" no-hub outlet

Lengths from 20" to 48" *(50 cm to 120 cm)* in 4" *(10 cm)* increments.



KERDI-SHOWER-L/-LS

Schluter®-KERDI-SHOWER-L/-LS are polystyrene sloped trays with integrated Schluter®-KERDI waterproofing. The **KERDI-SHOWER-L** allows for the installation of a center drain whereas the **KERDI-SHOWER-LS** accommodates the installation of the drain along the perimeter of the shower.

Wall drain placement or center drain placement:
- 39" x 39" *(100 cm x 100 cm)*
- 55" x 55" *(140 cm x 140 cm)*

KERDI-DRAIN

Schluter®-KERDI-DRAIN is a floor drain with an integrated bonding flange that provides a large contact area for a secure connection to the Schluter®-KERDI waterproofing membrane and other bonded waterproofing membranes at the top of the assembly. KERDI-DRAIN is appropriate for both mortar bed and Schluter®-KERDI-SHOWER-ST shower tray applications. The bonding flange is sloped to simplify installation of the mortar bed. KERDI-DRAIN features a fully adjustable grate accommodates a wide range of tile thicknesses: 1/4" *(6 mm)* to 1-1/4" *(32 mm)*. KERDI-DRAIN is listed by UPC®, CSA, and NSF.

The flange is available in ABS, PVC or stainless steel with a 2" or 3" no-hub outlet.

KERDI-DRAIN adaptor kit

Schluter®-KERDI-DRAIN ADAPTOR KITS are used to convert traditional clamping ring drains to integrated bonding flange drains when removal of the clamping ring drain is not practical. A stainless steel adaptor ring with an overmolded rubber gasket replaces the clamping ring and is sealed to the existing drain body using Schluter®-KERDI-FIX. The bonding flange then slides into the adaptor ring and seals against the rubber gasket. Adaptor kits are suitable for both mortar bed and Schluter®-KERDI-SHOWER-ST shower tray applications.

The residential adaptor kit flange is available in ABS.

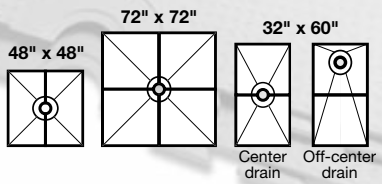
The commercial adaptor kit flange is available in ABS or stainless steel. The ABS bonding flange is available in two sizes (standard or extended length) to accommodate different tile assembly thicknesses.

KERDI

Schluter®-KERDI is a pliable sheet-applied polyethylene waterproofing membrane and vapor retarder that guarantees uniform thickness. It is covered with an anchoring fleece on both sides to anchor the membrane in thin-set mortar and is suitable for waterproofing in conjunction with tiled surfaces on walls and floors. Schluter®-KERDI is listed by cUPC® and evaluated by ICC-ES (Report No. ESR-2467).

Also available to seal butt joints and floor/wall connections with Schluter®-KERDI is the waterproofing strip Schluter®-KERDI-BAND.

KERDI-SHOWER-ST

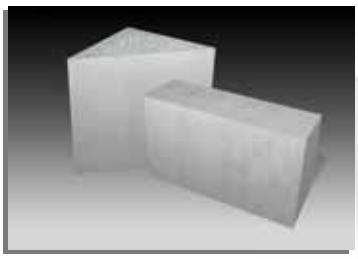


Schluter®-KERDI-SHOWER-ST is a sloped shower tray made of lightweight, expanded polystyrene (PS 40) for constructing mortar-free shower receptors. It is specifically designed to integrate with Schluter®-KERDI-SHOWER-SC curb, KERDI, and KERDI-DRAIN.

KERDI-SHOWER-SC

Schluter®-KERDI-SHOWER-SC is a lightweight, expanded polystyrene (PS 40) shower curb specifically designed to integrate with Schluter®-KERDI-SHOWER-ST, KERDI, and KERDI-DRAIN.

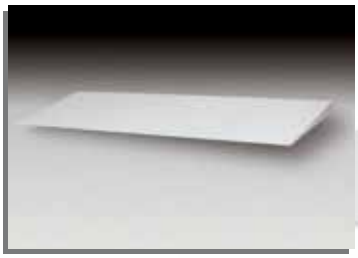
Dimensions:
48" x 6" x 4-1/2" *(122 cm x 15 cm x 11.5 cm)*



KERDI-SHOWER-SB

Schluter®-KERDI-SHOWER-SB are lightweight, expanded polystyrene shower benches specifically designed to integrate with the Schluter®-Shower System. They are stable and load bearing, feature sloped surfaces, and are quick and easy to install.

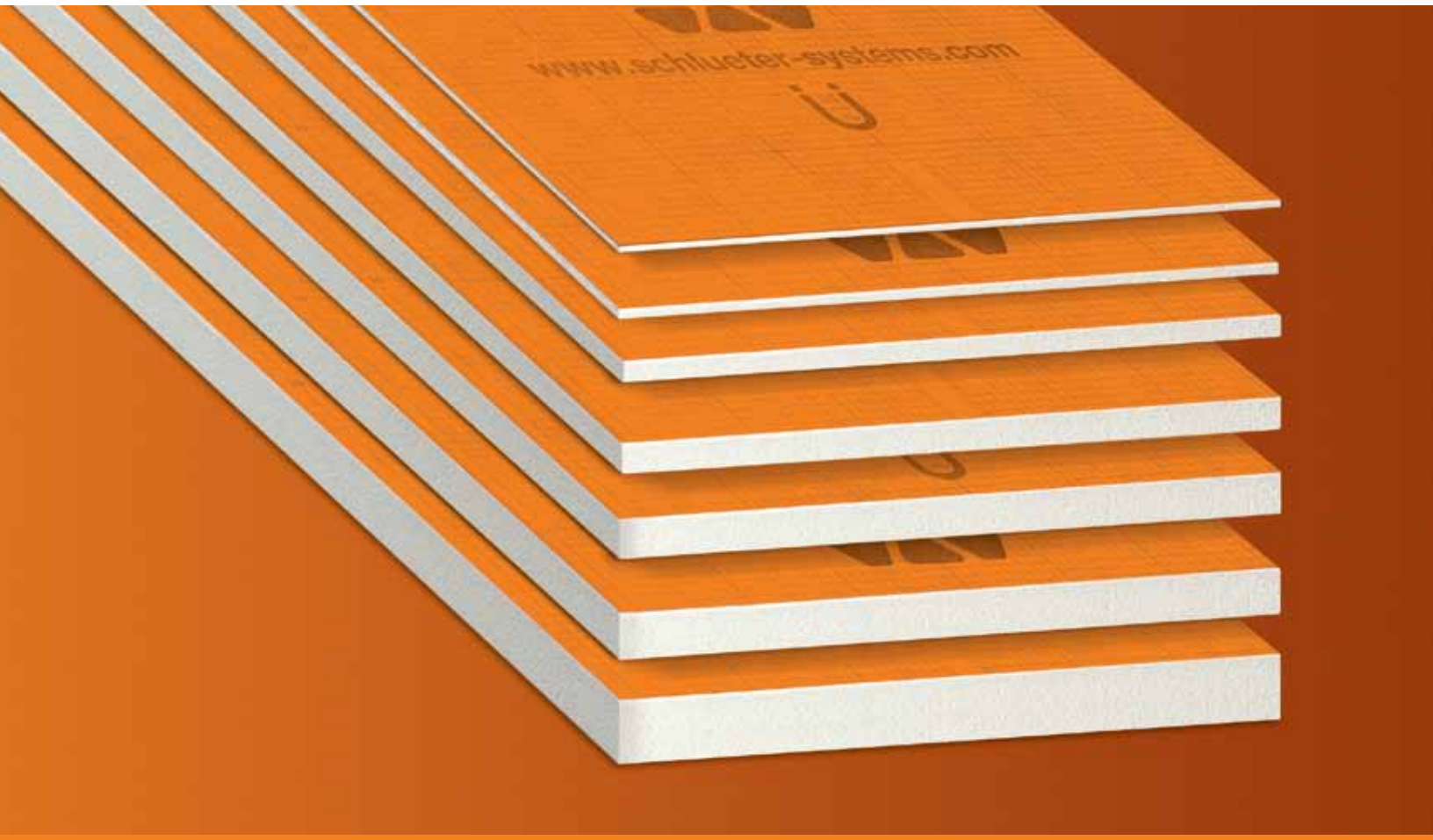
Dimensions:
Triangular -16" x 16" x 20" *(41 cm x 41 cm x 51 cm)*
Rectangular -32" x 11-1/2" x 20" *(81 cm x 29 cm x 51 cm)*
-42" x 11-1/2" x 20" *(107 cm x 29 cm x 51 cm)*
-48" x 11-1/2" x 20" *(122 cm x 29 cm x 51 cm)*
-32" x 16" x 20" *(81 cm x 41 cm x 51 cm)*
-48" x 16" x 20" *(122 cm x 41 cm x 51 cm)*



KERDI-SHOWER-SR

Schluter®-KERDI-SHOWER-SR is a lightweight, expanded polystyrene (PS 40) shower ramp specifically designed to integrate with Schluter®-KERDI-SHOWER-ST, KERDI, and KERDI-DRAIN.

Dimensions:
48" x 15-7/8" *(122 cm x 40 cm)*
slopes from 1-1/2" *(38 mm)* to 1/4" *(6 mm)*



KERDI-BOARD

Whether you work with mosaics or large-format tiles, an absolutely flat substrate with straight and precisely aligned inside and outside corners is essential for creating a perfect tile covering, which tile installers can now achieve on their own using Schluter®-KERDI-BOARD.

KERDI-BOARD gives tile setters more control over their projects by providing them with the means to simply and easily create ideal substrates for tile. Unsuitable substrates can be remedied and new substrates can be produced while keeping the technical and aesthetic requirements of the tile covering in mind.

Advantages at a glance

- Even, impact-resistant, and rigid
- Waterproof, temperature-resistant, and dimensionally stable
- Vapor retardant
- Thermally insulating
- Fleece webbing for easy anchoring in thin-set mortar
- Quick and easy to install
- Lightweight, easy to handle and transport
- Contains no cement or fiberglass
- Dust-free and easy to cut (with a utility knife)
- Printed gridlines for precise cutting

KERDI-BOARD

Schluter®-KERDI-BOARD is a multifunctional tile substrate and building panel, which can also be used for creating bonded waterproofing assemblies with tile coverings. It consists of an extruded polystyrene foam panel, with a special reinforcement material on both sides and fleece webbing for effective anchoring in thin-set mortar.

KERDI-BOARD-V

Schluter®-KERDI-BOARD-V is a vertically grooved substrate and building panel for creating curved elements. If a larger expanse of panels is required, several panels can be connected along the edges with thin-set mortar, Schluter®-KERDI-FIX adhesive, or double-sided adhesive tape.

KERDI-BOARD-E/-U

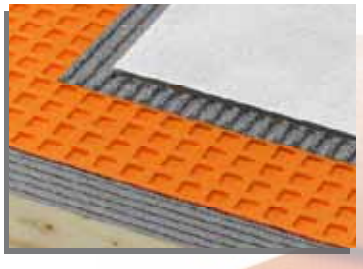
Schluter®-KERDI-BOARD-E is an L-shaped panel used to create corners and pipe or column coverings.
Schluter®-KERDI-BOARD-U is a U-shaped panel used to create pipe or column coverings.

The panels feature V-shaped grooves and are shipped in a space-saving flat design, which makes them easy to store. The panels are then folded prior to installation.

Uncoupling membranes

Today's construction methods, which include the use of lightweight materials, have made the installation of hard surface coverings particularly challenging. Because of the differences in material properties the substrate and the tile layer expand and contract at different rates, creating stresses in the assembly that can ultimately result in damage to the finished tile surface.

Schluter®-DITRA and DITRA-XL address the problems associated with today's fast, lightweight construction methods, allowing the installation of ceramic and stone tiles on virtually any interior or exterior surface.



DITRA/-XL

Schluter®-DITRA and **Schluter®-DITRA-XL** are polyethylene uncoupling membranes with a grid structure of square cutback cavities and an anchoring fleece laminated to the underside. DITRA and DITRA-XL provide uncoupling through the open rib structure, which allows for in-plane movement that effectively neutralizes the differential movement stresses between the substrate and the tile, thus eliminating the major cause of cracking and delaminating of the tiled surface.

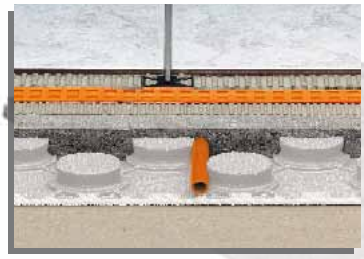
Schluter®-DITRA is 1/8" *(3 mm)* thick.

Schluter®-DITRA-XL is 5/16" *(7 mm)* thick.

DITRA and DITRA-XL are listed by cUPC®.
DITRA has been found to emit zero VOCs (test methods: CA 01350 and ASTM D5116) and can contribute towards achieving green building credits.

Modular screed for radiant heated floors

Schluter®-BEKOTEC is a modular screed system that produces permanent flooring assemblies that are free from internal stresses. The BEKOTEC system is based on a studded polystyrene screed panel. The studs confine curing stresses to small modules, which eliminates curling and allows the installation of continuous screed surfaces without any wire reinforcement or control joints. BEKOTEC is ideal for hydronic radiant heating applications, as it provides thermal insulation, allows for hydronic radiant tube application without fasteners, and reduces thermal mass to produce a responsive system that can operate at a low temperature range. The BEKOTEC system can also be used in conjunction with common sound insulation materials to produce a flooring system with excellent sound attenuation prop



BEKOTEC

Schluter®-BEKOTEC family of products are lightweight modular screed systems that are used to create continuous screed surfaces without control joints or reinforcement and can also accommodate hydronic radiant heating tubes. For use with ceramic tile, natural stone, or other surface coverings.

Schluter®-BEKOTEC is 1-3/8" *(35 mm)* -thick and is made of expanded polystyrene.
Schluter®-BEKOTEC-F is 29/32" *(23 mm)* -thick, and is made of polystyrene foil.
Schluter®-BEKOTEC-DRAIN is 29/32" *(23 mm)* -thick, and is made of polystyrene foil with evenly spaced openings and interconnected drainage channels.

Helpful Resources

Architectural Binder

A must for your library, this binder contains a complete set of product data sheets, brochures, installation handbooks, articles, and our product specification guide.

Library DVD

This all-in-one DVD includes all the content of the architectural binder in electronic format, as well as a complete set of CAD drawings, details for barrier-free showers, and useful links.

To request a complimentary architectural binder or Library DVD, please call customer service at 1-800-267-0817.

Spec Wizard

Schluter®-Systems has teamed up with ARCAT to make specifying our products even easier!

To learn about the complete line of Schluter®-Systems products, and to access the Spec Wizard, please visit:

www.schluter.com

Schluter® Systems

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