

Schlüter®-KERDI-BOARD

Waterproof substrate and structural board



PROFILE OF INNOVATION





Schlüter®-KERDI-BOARD

A comprehensive substrate solution for tile and stone.

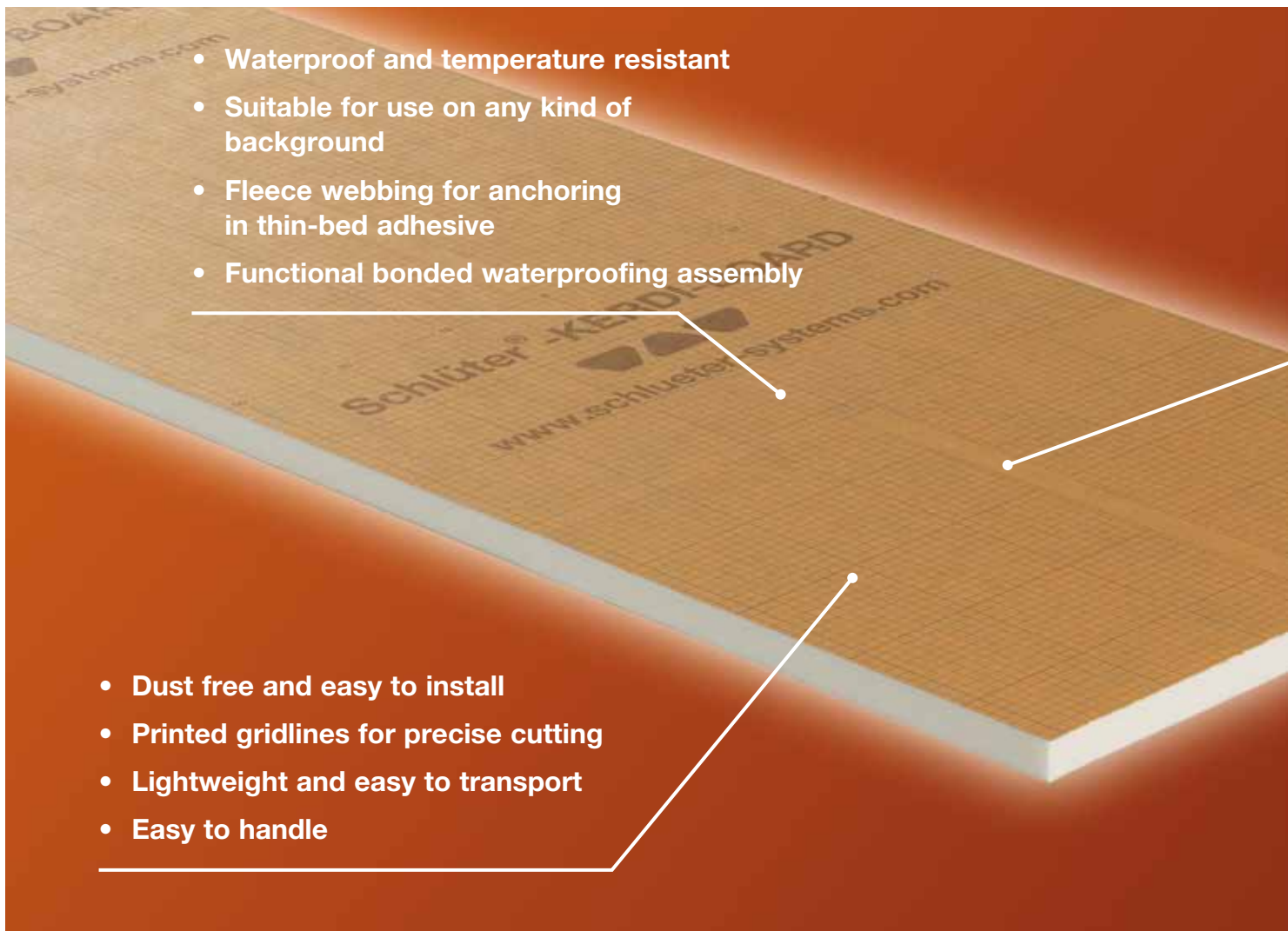
Perfect Covering

Lightweight, practical, and easy to install - in contrast to conventional structural panels, which can be unwieldy to handle in construction, Schlüter®-KERDI-BOARD makes it easy to create even the most complex structures. That is due to the extensive and sophisticated product range and the particularly intelligent design of the panel.

In addition, Schlüter®-KERDI-BOARD is a backer board for tile and stone and forms a reliable bonded waterproofing assembly together with our KERDI waterproofing system.

Schlüter®-KERDI-BOARD offers the following properties:

- Even, impact resistant and rigid
- Waterproof and temperature resistant
- Functional bonded waterproofing assembly
- Vapour retardant
- Thermally insulating
- Fleece webbing for easy anchoring in thin-bed adhesive
- Quick and easy to install
- Lightweight, easy to handle and transport
- Contains no cement or fibreglass
- Easy to handle
- Dust free and easy to cut (with a utility knife)
- Printed gridlines for precise cutting
- Suitable for use on any kind of background substrate
- Suitable for free standing partition walls, shelves, coverings and similar structures
- Prefabricated niches available



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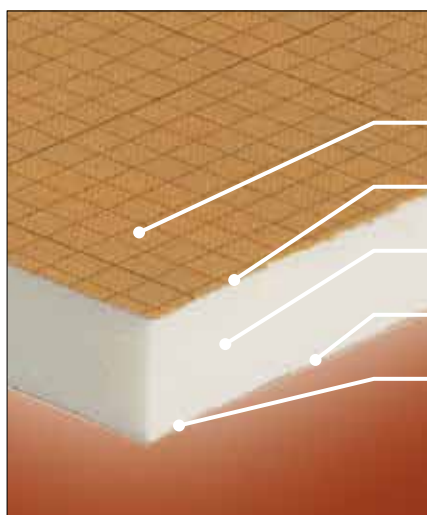
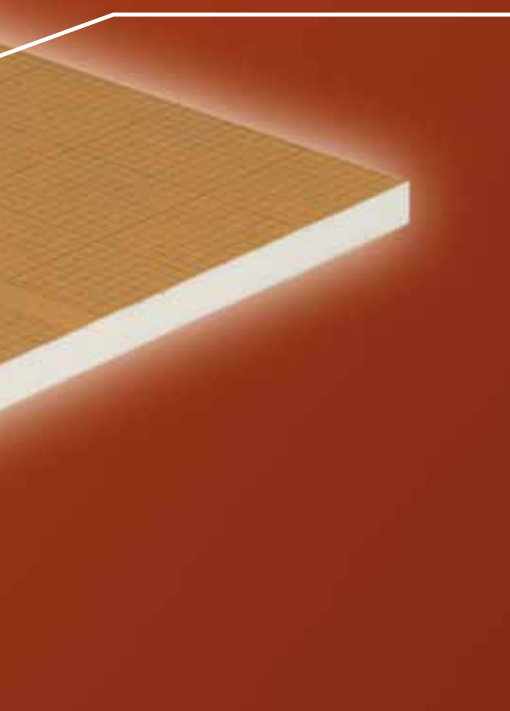
Dimensions and packaging data of Schlüter®-KERDI-BOARD							
Panel thickness	5 mm	9 mm	12,5 mm	19 mm	28 mm	38 mm	50 mm
Packaging unit (PU)	10 panels	10 panels	10 panels	6 panels	4 panels	3 panels	3 panels
Pallet content	14 VPE 140 panels	8 VPE 80 panels	6 VPE 60 panels	7 VPE 42 panels	7 VPE 28 panels	7 VPE 21 panels	5 VPE 15 panels
Size 125 x 62.5 cm							
m ² / pallet	109.20	62.40	46.80	32.76	21.84	16.38	11.70
kg / panel	0.64	0.77	0.79	0.94	1.20	1.44	1.75
Size 260 x 62.5 cm							
m ² / pallet	226.80	129.60	97.20	68.04	45.36	34.02	24.30
kg / panel	1.34	1.60	1.65	1.95	2.50	3.00	3.65



Note:

Many substrates encountered in new buildings and renovation projects are unsuitable for tile installation, especially in areas with high moisture. This can require comprehensive additional work and waterproofing measures. **Schlüter®-KERDI-BOARD** makes it easy to create an instant underlayment for tile installation over substrates as diverse as masonry, stud frame constructions of wood or metal and mixed/existing substrates in renovation projects. The following pages explain a variety of individual application areas in greater detail.

- Even, impact resistant and rigid
- Vapour retardant
- Thermally insulating
- Free of cement/fibreglass



- Fleece webbing
- Cement free reinforcement layer
- Extruded hard foam
- Cement free reinforcement layer
- Fleece webbing



Ideal tile substrate over green masonry or existing/mixed substrates

Uneven substrates

Schlüter®-KERDI-BOARD is ideal for installation on:

- Concrete.
- Masonry of all kinds.
- Existing substrates such as plaster, tiles, painted surfaces, etc.
- Mixed substrates.

To be suitable for the installation of tiles in the thin-bed method with tile adhesive the substrate must be completely level and made of an appropriate, moisture resistant material. However, walls are frequently covered with a gypsum plaster coating as part of the construction. Plaster is not an ideal substrate for tile coverings, especially in high moisture areas. Additionally, these surfaces are typically not level enough. Other materials such as drywall panels or wood composite are equally unsatisfactory in these areas.

Schlüter®-KERDI-BOARD is the ideal substrate for tiles

Depending on the characteristics of the existing wall areas **Schlüter®-KERDI-BOARD** can be either fully embedded in adhesive or attached to the substrate with dabs of adhesive or other suitable bonding adhesives, followed by alignment and levelling.

Schlüter®-KERDI-BOARD can be installed vertically as well as horizontally. In the case of problematic substrates, Schlüter®-KERDI-BOARD can also be attached with the help of the special anchors included in our installation hardware. Substrates created with Schlüter®-KERDI-BOARD are immediately ready for the installation of tiles without the need for further preparatory steps.

Schlüter®-KERDI-BOARD in bonded waterproofing assemblies

Schlüter®-KERDI-BOARD is officially approved for use in bonded waterproofing assemblies. For this purpose, the corners and joints must be covered with the sealing band **Schlüter®-KERDI-KEBA**, using the sealing adhesive **Schlüter®-KERDI-COLL-L**. Pipe sleeves or similar features also have to be professionally sealed, e.g. with **Schlüter®-KERDI-KM** pipe collars.

Schlüter®-KERDI-BOARD Suitable panel thicknesses of

If the substrate is sufficiently level to allow for fully embedding the panels in mortar, panel thicknesses from 5 mm can be selected. If using dabs of mortar to attach the panel, it is preferable to use thicknesses of 9 mm or more, depending on project requirements.

Non tiled areas constructed with Schlüter®-KERDI-BOARD

If areas are to be partially tiled, you can simply cover **Schlüter®-KERDI-BOARD** with a lining paper, or plaster. Abutting joints internal and external corners and exposed edges must be reinforced, with **Schlüter®-KERDI-BOARD-ZSA** and covered with a trowel applied material.





Installation notes:

The images shown in this brochure illustrate the essential installation steps. The text provides brief, summarised descriptions. For further details on the individual products and their installation please refer to the corresponding product data sheets.





Ideal tile substrate over stud frame structures

Wood or metal stud frames

Stud frame structures made of wood or metal are typically covered with drywall or wooden panels. However, such materials are typically unsuitable as tile substrates, particularly in areas with high moisture.

Schlüter®-KERDI-BOARD is quick and easy to install as a substrate for tile coverings over stud frame structures of wood or metal, using the screws included in our hardware assortment. The panel joints should be located on the studs. Otherwise the abutting panels must be attached with adhesive. Schlüter®-KERDI-BOARD can be installed vertically as well as horizontally.

Immediately after the correct attachment of Schlüter®-KERDI-BOARD, tiles can be professionally installed with a suitable thin-bed adhesive without the need for any further preparatory steps.

Schlüter®-KERDI-BOARD in bonded waterproofing assemblies

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Suitable panel thicknesses of Schlüter®-KERDI-BOARD

Depending on the project requirements, the panel thickness for installation on stud frame structures (centre line 62.5 cm) should be at least 19 mm. Screws must be attached in intervals of approx. 25 cm.

Non tiled areas constructed with Schlüter®-KERDI-BOARD

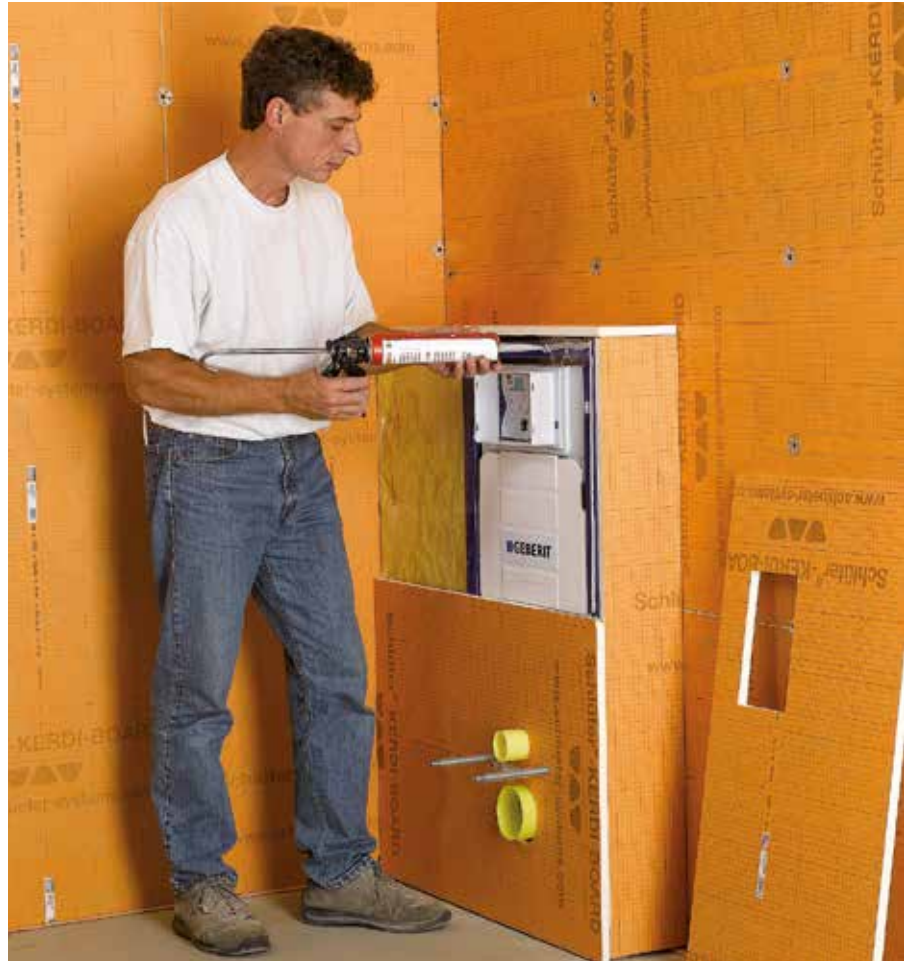
If areas are to be partially tiled, you can simply cover **Schlüter®-KERDI-BOARD** with a lining paper, or suitable plaster. Abutting joints internal and external corners and exposed edges must be reinforced, with **Schlüter®-KERDI-BOARD-ZSA** and covered with a trowel applied material.



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Partition walls made with Schlüter®-KERDI-BOARD

Ideal tile substrate

The construction of sanitary installations frequently requires partition walls to create separate shower or toilet cubicles or to divide rooms. Constructing such walls of masonry or covered stud frames is time consuming and surfaces often need further preparation before they are ready for tiling.

Suitable panel thicknesses of **Schlüter®-KERDI-BOARD** can be used to quickly and simply create stable and self supporting partition walls that are immediately ready for tiling. If required, the partition walls can be further attached or stabilised with the angled and U shaped components which form part of the complete system. The abutting panel joints and weight bearing joints must be filled with adhesive. As an alternative, stainless steel profiles can be used to cover the visible areas or for the attachment of fittings.

Schlüter®-KERDI-BOARD is ideally suited to create anything from simple partitions to entire toilet and shower facilities or public changing rooms.

Suitable panel thicknesses of Schlüter®-KERDI-BOARD

Depending on project requirements, panel thicknesses of 38 or 50 mm should be used for self supporting partition walls.



Installation notes:

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Bathtubs and shower tray surrounds made of Schlüter®-KERDI-BOARD

Ideal tile substrate

In bathroom construction, contractors are frequently expected to prepare the surroundings of bathtubs and shower trays with a suitable substrate for tiling. It is time consuming to create such areas with masonry or timber framework. **Schlüter®-KERDI-BOARD** can be used to quickly and simply create coverings for bathtubs that are immediately ready for tiling.

The grooved versions of the panel and the easy cutting properties of Schlüter®-KERDI-BOARD also allow for effective use in curved panelling.

Suitable panel thicknesses of Schlüter®-KERDI-BOARD

Select the panel thickness depending on the size and expected stresses of the project.



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Vanities and shelving made of Schlüter®-KERDI-BOARD

Ideal tile substrate

Schlüter®-KERDI-BOARD is the ideal substrate for constructing vanities and shelving with ceramic tile or natural stone coverings. With the easy cutting properties of Schlüter®-KERDI-BOARD (may be cut with a utility knife), make the material and the required openings easy to cut to size. The waterproof material allows for individual and creative surface design.

The visible edges can be finished in a number of ways, including:

- Matching U shaped system profile of brushed stainless steel in combination with a corresponding finishing profile such as **Schlüter®-RONDEC** or **Schlüter®-QUADEC**.
- **Schlüter®-QUADEC**.
- Tile strips and two finishing profiles such as **Schlüter®-RONDEC** or **Schlüter®-QUADEC**.
- Edge profile
- **Schlüter®-RONDEC-STEP**.



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Installation notes:

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Kitchen worktops made of Schlüter®-KERDI-BOARD

Ideal tile substrate

Schlüter®-KERDI-BOARD is particularly suitable for building worktops and other surfaces with ceramic tile and natural stone coverings.

With the easy cutting properties of the waterproof material, you can simply cut the panels and the necessary openings to size with a utility knife.

The matching U shaped profiles with a brushed stainless steel surface offer an easy to install and elegant finish.

The lower anchoring leg is closed, while the top leg features trapezoid perforations. **Schlüter®-RONDEC** or **Schlüter®-QUADEC** profiles offer solutions for neat edge designs





Pipe coverings made of Schlüter®-KERDI-BOARD

Ideal tile substrate

The innovative, prefabricated angle and U shaped components of the **Schlüter®-KERDI-BOARD** system make it especially easy to conceal pipes and installation ducts. The components are shipped in a space-saving flat design, which makes them easy to store. The flat components are quick to cut to the necessary dimensions. The components are folded for installation, with a prepared adhesive strip holding them together in a V shaped groove.



Installation notes:

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Curved wall areas, columns and fixtures constructed of Schlüter®-KERDI-BOARD-V

Ideal tile substrate

The grooved version of the **Schlüter®-KERDI-BOARD** panel is designed for creating rounded and curved structures and surfaces.

The panel forms quick and easy to assemble substrates for the creative design of

- Self supporting partition walls, e.g. for multiple shower cubicles.
- Bath tub surrounds.
- Panelling of support structures and columns.
- Panelling of pipes and installation ducts.
- Wall coverings.

If the grooved surface points toward the inside, it is recommended to fill the grooves with tile adhesive prior to installation.

If a larger expanse of grooved Schlüter®-KERDI-BOARD panels is required, several panels can be attached with double sided adhesive tape.



Installation notes:

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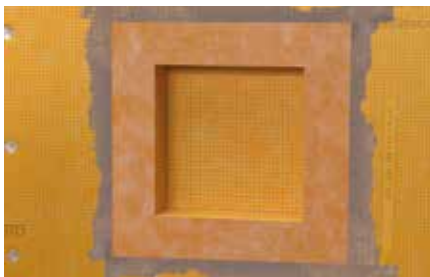


Prefabricated niches made of Schlüter®-KERDI-BOARD

Integrated niches and shelves

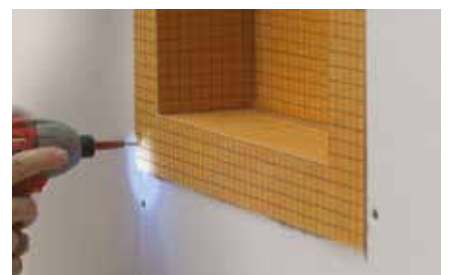
Schlüter®-KERDI-BOARD-N elements can be used to create niches in stud frame structures that are flush with the wall.

The prefabricated niche elements are ready for immediate installation and can be installed as a bonded waterproofing assembly together with the waterproofing system Schlüter®-KERDI. They are ideally suited for high-moisture areas such as showers. The large elements have a variable centre shelf, which is suitable for tile coverings.



Installation notes:

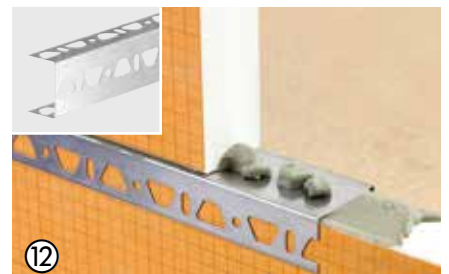
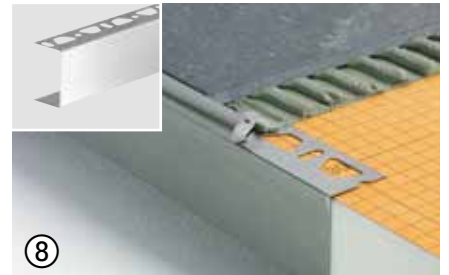
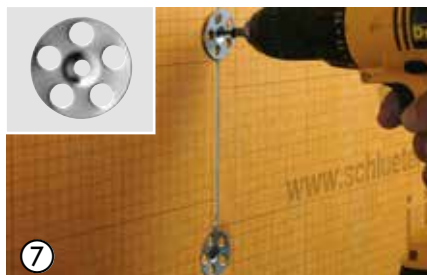
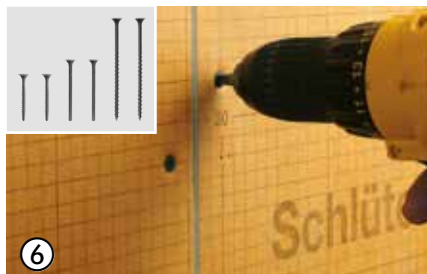
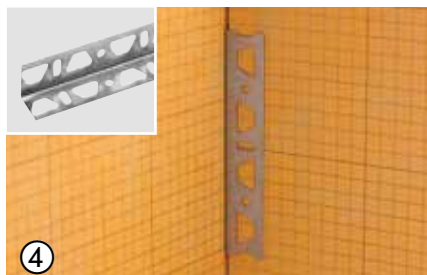
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Installation Hardware

- ① Anchors for additional mechanical attachment of Schlüter®-KERDI-BOARD on the substrate.
- ② Double sided adhesive tape for connecting Schlüter®-KERDI-BOARD panels at abutting joints and similar places.
- ③ Stainless steel angle profile as an aligned attachment stop for Schlüter®-KERDI-BOARD.
- ④ Attachment stops can also be created with the 15 cm angle pieces.
- ⑤ To enhance structural stability, the angle profile can be integrated into the abutting joint or weight bearing joint of a freestanding wall.
- ⑥ Installation screws for attaching Schlüter®-KERDI-BOARD to stud frame structures.
- ⑦ Washers for attaching Schlüter®-KERDI-BOARD to stud frame structures.
- ⑧ U shaped profile of brushed stainless steel with closed anchoring leg on the underside for finishing kitchen worktops or similar structures.
- ⑨ U shaped profile of brushed stainless steel for visible edges of partition walls and shelves.
- ⑩ A flat plastic profile can be attached behind the U shaped profile for secure attachment of fittings.
- ⑪ Three sided, perforated U shaped profile of stainless steel to reinforce open ended partition walls.
- ⑫ To enhance structural stability, the three sided, perforated U shaped profile can be integrated into the abutting joint or weight bearing joint of a freestanding wall.
- ⑬ Adhesive self joint reinforcement tape for board joints, for use with trowel applied covering materials or plaster Schlüter®-KERDI-BOARD.





Informative. For those who want to know more!

Did we succeed in firing your enthusiasm for products by Schlüter-Systems?
Would you like to find out more? The fastest way to find out more is online. Visit our website www.kerdi-board.co.uk, which offers additional details at the click of a mouse.



Your authorised dealer:



PROFILE OF INNOVATION

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