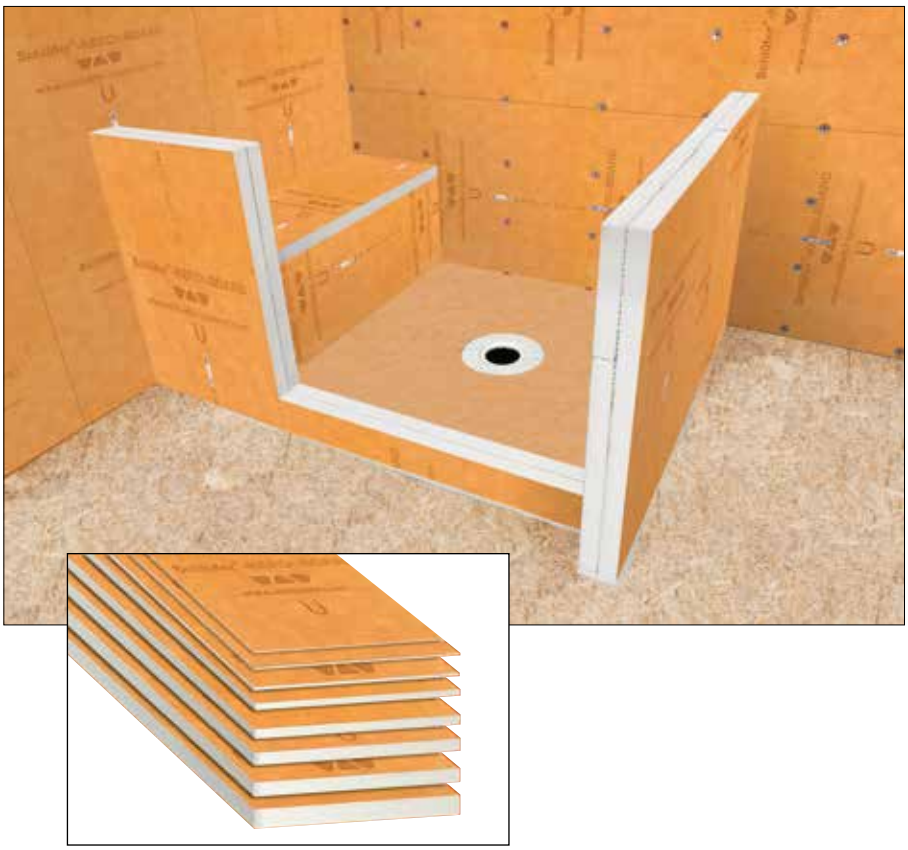
TECHNICAL DATA SHEET 12.1

Schluter®-KERDI-BOARD

SUBSTRATE, BUILDING PANEL, BONDED WATERPROOFING

Schluter-KERDI-BOARD is a multifunctional waterproofing tile substrate and building panel. KERDI-BOARD also allows the installer to quickly and easily build tile-ready elements in showers, bathtub surrounds and platforms, countertops, vanities, shelving, and more.



Features and Benefits

- Replaces other suitable solid backing panels (i.e., greenboard, gypsum board, cement backer board for vertical installations)
- Flat, impact-resistant, and rigid
- Waterproof, thermally insulating and dimensionally stable
- Vapor-retardant and can withstand all chemical stresses that typically occur with ceramic tile coverings
- Lightweight, easy to cut, handle, and transport
- Contains no cement, silica, or fiberglass for a dust-free installation
- The boards are easy to cut to size with a utility knife
- With the available panel thicknesses of 3/16", 3/8", 1/2", 5/8", 3/4", 1", 1-1/2", and 2" (5, 9, 12.5, 15, 19, 25, 38, and 50 mm), KERDI-BOARD allows the installer to prepare and create a broad range of substrates and building elements

Where to Use

- Creating tile substrates on:
  - Masonry walls
  - Wood or metal framing, and other finished wall surfaces
  - Creating partition walls
  - Creating straight or curved bathtub and shower surrounds
  - Creating bathtub platforms, vanities, storage shelves, countertops, and various other bathroom structures
  - Create custom curbs where standard curbs are not suitable

Limitations

- KERDI-BOARD is not intended for exterior applications.
- Not for use around steam inlets
- Certain glass tiles may not be compatible with bonded waterproofing applications and/ or may require special setting materials. Consult glass tile manufacturer and Schluter-Systems for more information.
- Certain moisture-sensitive stones, e.g., green marble, or resin-backed tiles may not be appropriate for use in wet areas or may require special setting materials. Consult stone supplier and Schluter-Systems for more information.

Note: If installing bathroom fixtures such as grab bars in showers, wall-mounted toilets, or other heavy objects, the fixtures must be anchored to the structure or solid blocking behind KERDI-BOARD.

Note: Reinforcement may be required behind the entire footprint of the object. For example, place solid blocking behind the base of a wall-mounted toilet installed over KERDI-BOARD on stud framing.

Surface Preparation

- The substrate must be clean, flat, and load bearing. Any truing of the surface must be done prior to KERDI-BOARD installation.

Movement Joints/Expansion Joints

- Separate KERDI-BOARD above the existing movement joints and structural joints and cover the joints with KERDI-FLEX using SET, ALL-SET, FAST-SET or unmodified thin-set mortar, ensuring a minimum 2" (50 mm) overlap.

Installation

Please see the QR Code below to access the full installation instructions.

Important to note:

- Maximum allowable on-center fastener spacing is 12" (30 cm) for walls and 6" (15 cm) for ceilings.
- It is the specifier's responsibility to treat and address all penetrations through the KERDI-BOARD membrane (e.g., showerhead, mixing valve, shower doors, etc.) in the installation. All penetrations must be treated with KERDI-SEAL-PS/-MV seals, KERDI-FIX or suitable sealant.
- All seams and fastener penetrations must be treated with KERDI-BAND or KERDI ensuring a 2" (50 mm) overlap. Apply using any Schluter thin-set mortar or an unmodified thin-set mortar.
- Refer to the Schluter-Shower System Handbook for more information.

Waterproofing

Where waterproofing is desired, the joints and corners of KERDI-BOARD in the area must be sealed with KERDI-BAND using SET, ALL-SET, FAST-SET or unmodified thin-set mortar. The KERDI-BAND must overlap panel joints by at least 2" (50 mm).

KERDI-BAND is also suitable for sealing connections to fixed building elements such as door and window frames. Where these surfaces will not accept a bond to SET, ALL-SET, FAST-SET or unmodified thin-set mortar, use KERDI-FIX to bond KERDI-BAND.

Fastener penetrations may be sealed with KERDI-BAND using SET, ALL-SET, FAST-SET or unmodified thin-set mortar. Please refer to the Schluter-Shower System Installation Handbook for guidelines on waterproofing showers, steam showers, and tub surrounds.

Industry Standards and Sustainability Designations:

Product Performance Properties	
ASTM E96 Procedure E[1]	0.36 perms – 1/2" (12.5 mm)
ASTM C518 (R-Value)	R 9.1 – 2" (50 mm) R 2.2 – 1/2" (12.5 mm) R 0.9 – 3/16" (5 mm)
(Flame spread) ASTM E84 CAN/ULC S102.2	 Pass[2] Pass[3]
NFPA 286 (Thermal barrier evaluation)	Pass[2,4]
Physical Characteristics	
Composition	Extruded polystyrene foam panel, with a special reinforcement material on both sides and fleece webbing
Markings	Gridlines consisting of 3/8" x 3/8" (10 mm x 10 mm) squares printed on one side
Color	Orange outer fleece layers with white foam interior
Storage Conditions	In case of outdoor storage, protect the material from direct sunlight and weather exposure.
Service Temperature Range	-58°F to 158°F (-50°C to 70°C)
Sustainability Information	
VOC tested	LEED compliant
SDS	Available

[1] Using the desiccant method at 100°F (38°C) and 90% RH

[2] Per International Building Code Requirements, contact Schluter-Systems for more information

[3] Specific building categories, contact Schluter-Systems for more information

[4] Porcelain tile used as thermal barrier over 1/2" (12.5 mm) -thick KERDI-BOARD on wood framing

Product Item Numbers



Schluter®-KERDI-BOARD			Waterproof building panel
Item No.	Width	Length	Thickness
Panel dimension: 48" x 32" – 122 cm x 81 cm			
KB 12 1220 812	48" – 122 cm	32" – 81 cm	1/2" – 12.5 mm
Panel dimension: 48" x 64" – 122 cm x 162.5 cm			
KB 5 1220 1625	48" – 122 cm	64" – 162.5 cm	3/16" – 5 mm
KB 9 1220 1625	48" – 122 cm	64" – 162.5 cm	3/8" – 9 mm
KB 12 1220 1625	48" – 122 cm	64" – 162.5 cm	1/2" – 12.5 mm
Panel dimension: 48" x 96" – 122 cm x 244 cm			
KB 5 1220 2440	48" – 122 cm	96" – 244 cm	3/16" – 5 mm
KB 9 1220 2440	48" – 122 cm	96" – 244 cm	3/8" – 9 mm
KB 12 1220 2440	48" – 122 cm	96" – 244 cm	1/2" – 12.5 mm
KB 15 1220 2440	48" – 122 cm	96" – 244 cm	5/8" – 15 mm
Panel dimension: 24-1/2" x 96" – 62.5 cm x 244 cm			
KB 19 625 2440	24-1/2" – 62.5 cm	96" – 244 cm	3/4" – 19 mm
KB 25 625 2440	24-1/2" – 62.5 cm	96" – 244 cm	1" – 25 mm
KB 38 625 2440	24-1/2" – 62.5 cm	96" – 244 cm	1-1/2" – 38 mm
KB 50 625 2440	24-1/2" – 62.5 cm	96" – 244 cm	2" – 50 mm
Panel dimension: 48" x 120" – 122 cm x 305 cm			
KB 15 1220 3050	48" – 122 cm	120" – 305 cm	5/8" – 15 mm

Additional Resources Available Online:

- Shower System Installation Handbook
- Safety Data Sheets
- Installation and Instruction Videos

Visit www.schluter.com/schluter-us/en_US/Building-Panels/KERDI-BOARD-Panels/p/KERDI_BOARD

Or scan here:

Warranties:

Schluter-Systems products and systems are covered under our warranty program, as applicable. For details and to access Schluter-Systems' warranty documents:

Visit www.schluter.com/warranties

Or scan here:

To obtain hard copies, please contact Customer Service at: 800-472-4588 (USA) or 800-667-8746 (Canada).

Schluter Systems L.P. 194 Pleasant Ridge Rd. | Plattsburgh, NY | 12901-5841 800-472-4588
Schluter Systems (Canada) Inc. 21100 chemin Ste-Marie | Ste-Anne-de-Bellevue, QC | H9X 3Y8 800-667-8746
schluter.com

This technical data sheet is subject to change without notice. Please visit Schluter.com for the latest version.

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