

PROFILE OF INNOVATION



#### INNOVATIVE SOLUTIONS FOR CERAMIC AND STONE TILE

INTEGRATED BONDED WATERPROOFING SYSTEM FOR TILED SHOWERS

The Schluter® Shower System is an integrated family of products that together form a fully bonded, watertight assembly for tiled showers. Unlike shower pan liners in conventional assemblies, bonded waterproof membranes, such as Schluter®-KERDI, bond directly to the mortar bed and protect it from becoming saturated with regular use. In addition, KERDI protects wall cavities from vapor penetration. The Schluter®-KERDI-DRAIN provides a simple and secure connection to the KERDI membrane at the top of the assembly. Other components include the Schluter®-KERDI-FIX sealant, used to treat protrusions through the membrane, and the Schluter®-KERDI-SHOWER-ST/ -SC/-SR prefabricated EPS substrates, which can reduce weight and installation time. The integrated Schluter® Shower System eliminates the potential for leakage, efflorescence, and mold growth in the system, is maintenance-free, and dramatically reduces total installation time to ensure success and make shower installation easier than ever.

#### **Prefabricated Shower Substrates**



#### 8.3 Schluter<sup>®</sup>-KERDI-SHOWER -ST/-SC/-SR

Schluter<sup>®</sup> prefabricated shower substrates provide an alternative to shower bases constructed of mortar. The shower tray, curb, and ramp are especially useful in large-scale, repetitive jobs, such as hotels,



# Schluter\* Shower SystemComponentsDescriptionI KERDI-SHOWER-STShower tray 48" x 48", 32" x 60", or 72" x 72"I KERDI-SHOWER-SCShower curbI KERDIWaterproofing membraneI KERDI-BANDWaterproofing stripI KERDI-DRAINDrain, with integrated bonding flange



apartments, and condominiums for the significant timesavings that can be realized.

#### **Application and Function**

#### 8.3 Schluter®-KERDI-SHOWER-ST/

-SC/-SR are prefabricated substrates, made of expanded polystyrene foam, for tiled shower bases in conjunction with Schluter®-KERDI waterproofing membrane and Schluter®-KERDI-DRAIN. Schluter® -KERDI-SHOWER-ST is a prefabricated, sloped shower tray that is specifically designed to accept the Schluter®-KERDI -DRAIN and Schluter®-KERDI waterproofing membrane. The tray is available in 48" x 48" (122 cm x 122 cm), 32" x 60" (81 cm x 152 cm), and 72" x 72" (183 cm x 183 cm) sizes. Schluter®-KERDI -SHOWER-SC is a prefabricated curb that can be used with Schluter®-KERDI -SHOWER-ST or conventional mortar applications. Curb dimensions are 48" x 6" x 4-1/2" (122 cm x 15 cm x 11.5 cm). Schluter®-KERDI-SHOWER-SR is a ramp designed to facilitate the construction of access ramps for tiled showers. Ramp dimensions are 48" x 15-7/8" x 1-1/2" (122 cm x 40 cm x 3.8 cm).

## Material Properties and Areas of Application

Schluter®-KERDI-SHOWER-ST/-SC/-SR are manufactured using lightweight expanded polystyrene (PS 40). The products require no special disposal and can be recycled. No CFCs or HCFCs are present in either the products or in the manufacturing process. The polystyrene foam has a density of 2.75 lb/ft<sup>3</sup> (44 kg/m<sup>3</sup>) with a 57 psi (393 kPa) compressive strength at 10% deformation and 59 psi (407 kPa) shear strength. It is serviceable in temperatures up to 175 °F (79 °C). The expanded polystyrene used to manufacture Schluter®-KERDI-SHOWER-ST/-SC/-SR is treated with a flame retarding agent. The foam is self-extinguishing and achieves an HF-1 rating according to UL 94. Expanded polystyrene should not be exposed to hydrocarbons, esters, amines, and aldehydes. All will deteriorate foam. Exposure to ultraviolet rays (sunlight) for long periods of time will result in partial degradation (dusting) at the surface.

#### 8.3 Schluter®-KERDI-SHOWER-ST/-SC/-SR

Property	Method	Value
Density	ASTM D3575	2.75 lb/ft <sup>3</sup> (44 Kg/m <sup>3</sup> )
Compressive Strength <sup>1</sup>	ASTM D3575 & D1621	57 psi <i>(393 kPa)</i>
Linear Expansion	ASTM D696	3.5 x 10 <sup>.₅</sup> /°F
Maximum Service Temperature	-	175 °F (79 °C)

Note: 1. Compressive strength measured at 10% deflection of foam

#### Shower Waterproofing



8.1 Schluter®-KERDI

Since traditional shower pan liners are placed below the mortar setting bed in conventional assemblies, moisture is allowed to saturate the mortar bed. This can increase the risk of leakage, cause efflorescence, and foster mold growth. Bonded waterproof membranes, such as Schluter<sup>®</sup>-KERDI, are set on top of the mortar bed and protect it from becoming saturated, thus eliminating the problems associated with traditional systems.

#### **Application and Function**

8.1 Schluter\*-KERDI is a pliable, sheetapplied, bonded waterproof membrane and vapor retarder with limited crack-bridging capabilities. It is made of soft polyethylene, which is covered on both sides with a special fleece webbing to anchor the membrane in the thin-set mortar.

Schluter<sup>®</sup>-KERDI was developed as a waterproofing membrane to be used in conjunction with ceramic and stone tile coverings. Tiles can be installed directly on Schluter<sup>®</sup>-KERDI using the thin-bed method. Other trowel-applied covering materials, such as plaster, can also be used.

Pre-formed sections of Schluter<sup>®</sup>-KERDI are available for inside and outside corners (KERDI-KERECK-F), and pre-cut sections of Schluter<sup>®</sup>-KERDI are available for pipe collars (KERDI-KM). Use Schluter<sup>®</sup>-KERDI-BAND, in widths of 5" (*12.5 cm*), 7-1/4" (*18.5 cm*), or 10" (*25 cm*), to seal butt joints or corner joints. Schluter<sup>®</sup>-KERDI-FLEX, in 5" (*12.5 cm*) or 10" (*25 cm*) widths, is used to seal expansion joints or flexible edge joints.

## Material Properties and Areas of Application

Schluter<sup>®</sup>-KERDI is a polyethylene waterproofing membrane with a very low vapor permeance of 0.75 perms. The material is physiologically safe. Schluter<sup>®</sup>-KERDI requires no special disposal.

Schluter<sup>®</sup>-KERDI is waterproof and resistant to most chemicals commonly encountered in tiled environments. It is resistant to aging and will not rot. Schluter<sup>®</sup>-KERDI is highly resistant to saline solutions, acid and alkaline solutions, many organic solvents, alcohols, and oils. Information regarding its resistance to specific substances can be provided if concentration, temperature, and duration of exposure are known. For acidresistant coverings, use an epoxy adhesive to set and grout the tile.

Schluter<sup>®</sup>-KERDI is suitable for wall and floor surfaces where protection against the penetration of moisture or other harmful substances is necessary. Applications include showers, steam showers, tub surrounds, and areas surrounding swimming pools. Industrial applications include the food industry, breweries, and dairies. Before placing the Schluter<sup>®</sup>-KERDI, verify that the substrate is clean, even, load bearing, and free from moisture. Surfaces that inhibit proper adhesion must be removed or appropriately treated.

Schluter<sup>®</sup>-KERDI meets the American National Standard for Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installations (ANSI A118.10) and is listed by cUPC<sup>®</sup>. For copies of the listing, please contact Schluter<sup>®</sup>-Systems at (800) 472-4588 (USA) or (800) 667-8746 (CAN) or by e-mail at info@schluter.com. A link to the listing can also be accessed at www.schluter.com.



#### **Shower Drain**



8.2 Schluter<sup>®</sup>-KERDI-DRAIN

Conventional two-stage drains are designed to connect to shower pan liners below the mortar bed and do not allow a secure, watertight connection to bonded waterproof membranes at the top of the drain assembly. The Schluter®-KERDI -DRAIN was designed specifically to ensure a simple and secure connection to bonded waterproof membranes, such as Schluter® -KERDI, at the top of the assembly rather than below it, thereby reducing the risk of leakage, efflorescence, and mold growth.

#### **Application and Function**

**8.2 Schluter\*-KERDI-DRAIN** is a floor drain specifically designed to allow connections to Schluter\*-KERDI or other load-bearing, bonded waterproof membranes. Schluter\*-KERDI is adhered to the drain's large, trapezoid-perforated bonding flange, which is covered with a fleece webbing, to form a waterproof connection at the top of the drain assembly. KERDI-DRAIN features a square, fully adjustable grate to accommodate 1/4" (6 mm) to 1-1/4" (32 mm) tile thicknesses. The grate assembly allows lateral and tilt adjustment as well.

## Material Properties and Areas of Application

The drain casing is available in ABS or PVC and features a fleece-covered bonding flange. The drain casing material is selected to match the plumbing system and attached using ABS or PVC cement. The simple connection to standard drain outlets makes KERDI-DRAIN suitable for new construction and renovation. The height adjustment collar, lateral adjustment ring, and strainer are made of ABS. The grate is available in stainless steel 304 (1.4301 = V2A) and in anodized aluminum with a brushed copper bronze, brushed brass, or brushed nickel finish.

Schluter®-KERDI-DRAIN is listed by UPC®

(IGC 195-2004), CSA (B79-94), and NSF (SE AD 130-007 and SE AD 130-0011). For copies of the above listings, please contact Schluter®-Systems at (800) 472-4588 (USA) or (800) 667-8746 (CAN) or by e-mail at info@schluter.com. Links to the above listings can also be accessed at www.schluter.com.

Relevant industry standard guidelines for floor drains with integrated bonding flange include method B422 in the Tile Council of North America's (TCNA) Handbook for Ceramic Tile Installation and Method 326DR in the Terrazzo, Tile and Marble Association of Canada (TTMAC) Specification Guide 09300 Tile Installation Manual.

#### Maintenance

Schluter<sup>®</sup>-KERDI-DRAIN requires no special maintenance and is resistant to mold and fungi. Clean the grate using common household cleaning agents. The grate may be removed to clean the drain housing and the drainpipes.

Stainless steel grates exposed to the environment or aggressive substances should be cleaned periodically using a mild household cleaner. Regular cleaning

#### Schluter<sup>®</sup>-KERDI-FIX Technical Data

Color Grey or bright white Basic raw material Silyl-modified polymer (SMP) approx. 93.6 lb/ft3 (1.5 g/ml) Specific weight 0% Solvent content 0% Isocyanate content Dry materials content approx. 100% Shear strength beech wood/ approx. 435 psi (3 N/mm<sup>2</sup>) beech wood Shear strength aluminum/ approx. 290 psi (2 N/mm<sup>2</sup>) aluminum Elongation at failure approx. 200% about 10 minutes Skinning Curina 1/8" (3 mm) per 24 hours Permissible total movement about 20% don't install at temperatures below 40 °F (5 °C) Processing temperatures -40 °F (-40 °C) to 212 °F (100 °C), temporarily 356 °F Temperature stability (180 °C) [max. 30 minutes] Moisture resistance very good Frost ability not sensitive to frost Cartridge volume 9.81 oz (290 ml) Estimated coverage 5" (12.7 cm) connection to 12' 10" (3.9 m) per cartridge fixed building elements 1/4" bead 30' 1" (9.2 m) per cartridge

maintains the neat appearance of stainless steel and reduces the risk of corrosion. All cleaning agents must be free of hydrochloric and hydrofluoric acid. Stainless steel surfaces develop a sheen when treated with a chrome-polishing agent.

In the case of the anodized aluminum grates, do not use abrasive cleaning agents. Damage to the anodized layer can be repaired by applying varnish.



8.3 Schluter<sup>®</sup>-KERDI-FIX

#### Adhesive/Sealant

Any protrusions through the KERDI membrane must be treated with Schluter<sup>®</sup> -KERDI-BAND and Schluter<sup>®</sup>-KERDI-FIX, or equivalent sealant, to ensure a fully waterproof assembly.

#### **Application and Function**

8.3 Schluter\*-KERDI-FIX is a singlecomponent, waterproof sealing and



bonding compound with a silane-modified polymer base. In conjunction with Schluter®-KERDI, Schluter®-KERDI-FIX is used to waterproof pipe and valve protrusions in the Schluter® Shower System. Schluter®-KERDI-FIX can also be used to bond Schluter®-KERDI to building elements such as balcony and terrace doors, window elements, sheet metal covers, and Schluter®-BARA edge profiles, and is suitable for sealing movement joints.

## Material Properties and Areas of Application

Schluter<sup>®</sup>-KERDI-FIX is odorless, weather and UV resistant, making it especially suitable for exterior use. The product is elastomeric, free of solvents, and provides a strong bond to most materials, including wood, stone, concrete, metal, glass, and many synthetic materials. Schluter<sup>®</sup> -KERDI-FIX can be painted over with most alkyd resins or dispersion paint types. The suitability of the material must be verified based on the anticipated chemical, mechanical, and/or other stresses.

#### Maintenance

#### Storage

Unopened packages of Schluter®-KERDI -FIX can be stored in a cool place for up to 18 months. Once the cartridge has been opened, the material has a limited shelf life.

#### **System Installation**

## Shower Bases Constructed with Schluter<sup>®</sup> Prefabricated Shower Substrates

- The substrate must be clean, even, and load bearing. Any leveling must be done prior to placing the tray. If necessary, cut the KERDI-SHOWER -ST tray to size prior to application. The tray should be cut by equal amounts on all four sides to ensure a consistent height of the first course of tile. After locating the correct position (use KERDI-SHOWER-ST as a template), cut a hole in the substrate for the drain.
- Apply unmodified thin-set mortar to the substrate using a 1/4" x 3/8" (6 mm x 10 mm) square- or U-notched trowel. Place the KERDI-SHOWER-ST, making

certain to solidly embed the tray in the mortar. Check the underside of the tray to ensure that full coverage is achieved.

- If necessary, cut the KERDI-SHOWER -SC to length with a handsaw. Apply unmodified thin-set mortar to the floor and to the edge of the shower tray using a 1/4" x 3/8" (6 mm x 10 mm) square- or U-notched trowel, and press the curb firmly into place.
- 4. If there is access to the plumbing from below and the waste line can be connected after installing Schluter<sup>®</sup> -KERDI-DRAIN, apply unmodified thin-set mortar to completely fill the step in the shower tray using a 1/4" x 3/16" (6 mm x 5 mm) V-notched trowel. Press Schluter<sup>®</sup>-KERDI-DRAIN firmly into the mortar, ensuring full support of the bonding flange.

When job conditions require the setting of Schluter®-KERDI-DRAIN by the plumber prior to the installation of the Schluter<sup>®</sup>-KERDI-SHOWER-ST tray (or when there is no access to the plumbing from below), install the KERDI-DRAIN to the appropriate height using the detachable center section of the tray or the foam spacers included with the drain. Before installing the Schluter<sup>®</sup>-KERDI-SHOWER-ST tray, apply thin-set mortar to the substrate and to the top and bottom of the detached center section. Slide the center section into place below the drain to ensure solid and uniform support of the bonding flange.

**Note:** Schluter<sup>®</sup>-Systems recommends installing the KERDI-SHOWER-ST tray prior to setting KERDI-DRAIN whenever possible. This method affords the installer greater control over the final position of the drain and makes it easier to obtain full support under the bonding flange.

5. Apply a bond coat of unmodified thin-set mortar to the tray and bonding flange using a 1/4" x 3/16" V-notched trowel. Embed Schluter®-KERDI in the thin-set mortar and work the membrane onto the entire surface to ensure full coverage and remove air pockets. The KERDI is carried to the step in the fleece-laminated bonding flange (template provided). Be sure the connection between the KERDI and KERDI-DRAIN is secure. **Note:** A sheet of cardboard can be placed on the floor to protect the KERDI during subsequent steps.

- Construct floor/wall, floor/curb, and wall/wall connections using Schluter<sup>®</sup> -KERDI-BAND or cut sections of KERDI. Seams are easily constructed by overlapping the edges of KERDI or KERDI-BAND by 2" (50 mm) using an unmodified thin-set mortar.
- Seal the shower curb/wall junction using Schluter®-KERDI-KERECK-F inside and outside corners and unmodified thin-set mortar.
- 8. Apply a bond coat of thin-set mortar to the shower walls and curb using a 1/4" x 3/16" V-notched trowel. Embed the KERDI in the thin-set mortar and work the membrane onto the entire surface to ensure full coverage and remove air pockets. The KERDI is carried to the height of the shower head (at minimum). Note: The thin-set mortar used for bonding Schluter®-KERDI to the walls and curb must be appropriate for the substrate and must penetrate and engage the KERDI fleece. For most substrates (e.g., drywall or CBU), an unmodified thin-set mortar is used. Seams in the membrane are constructed by overlapping the edges of KERDI or KERDI-BAND by 2" (50 mm) using an unmodified thinset mortar.

**Note:** Any protrusions through the KERDI membrane (e.g., mixing valve, shower head, etc.) must be treated with Schluter<sup>®</sup>-KERDI-BAND and Schluter<sup>®</sup>-KERDI-FIX, or equivalent sealant, to ensure a watertight seal.

 Once the entire membrane, including seams, corners, curbs, and connection to drain, have been completely bonded and, therefore, waterproofed, the assembly is ready to be tiled.

**Note:** Prior to setting tile, if the assembly is to be water tested, wait 24 hours to allow for final set of the mortar before testing to ensure waterproof performance of the assembly at seams and connections.

10. The grate assembly, which is comprised of a square grate, the height adjustment ring, and the lateral adjustment ring, is set with unmodified thin-set mortar. The height of the grate is adjusted via the height adjustment collar and aligned



flush with the top of the tile covering. Since the diameter of the height adjustment collar is smaller than the opening of the bonding flange, the grate can be positioned to match the joint pattern of the tile covering.

11. For tile installations using the thin-bed method, apply unmodified thin-set mortar directly to the exposed Schluter®-KERDI surface and install the tiles, ensuring full coverage. For acid-resistant coverings, use an epoxy adhesive to set and grout the tile.

## Shower Bases Constructed with Mortar

- 1a. If there is access to the plumbing from below, and the waste line will be connected subsequent to installing Schluter®-KERDI-DRAIN, the drain can be firmly embedded in a ring of loose mortar and leveled before placing the screed.
- 1b. When job conditions require the setting of the KERDI-DRAIN by the plumber prior to the installation of the mortar bed (or when there is no access to the plumbing from below), connect the drain to the waste line at the desired height. Pack loose mortar under the bonding flange and drain casing, such that the unit is fully supported, before placing the screed. When installing KERDI-DRAIN over wood substrates, the minimum thickness of mortar required at the perimeter of the bonding flange is 1".

**Note:** Schluter<sup>®</sup>-Systems recommends installing the KERDI-DRAIN according to step 1a above whenever possible. This method affords the installer greater control over the final position of the drain and makes it easier to obtain full support under the bonding flange.

- 2. The screed is then placed flush with the top of the trapezoid-perforated bonding flange of the KERDI-DRAIN. Slope the mortar bed using the bonding flange and a perimeter screed as guides.
- As soon as the mortar can be walked upon, apply a bond coat of unmodified thin-set mortar to the screed and bonding flange using a 1/4" x 3/16" V-notched trowel. Embed Schluter<sup>®</sup> -KERDI in the thin-set mortar and work

the membrane onto the entire surface to ensure full coverage and remove air pockets. The KERDI is carried to the step in the fleece-laminated bonding flange (template provided). Be sure the connection between the KERDI and KERDI-DRAIN is secure.

**Note:** A sheet of cardboard can be placed on the floor to protect the KERDI during subsequent steps.

- Construct floor/wall, floor/curb, and wall/wall connections using Schluter\*
   -KERDI-BAND or cut sections of KERDI. Seams are easily constructed by overlapping the edges of KERDI or KERDI-BAND by 2" (50 mm) using an unmodified thin-set mortar.
- Seal the shower curb/wall junction using Schluter<sup>®</sup>-KERDI-KERECK-F inside and outside corners and unmodified thin-set mortar.
- 6 Apply a bond coat of thin-set mortar to the shower walls and curb using a 1/4" x 3/16" V-notched trowel. Embed the KERDI in the thin-set mortar and work the membrane onto the entire surface to ensure full coverage and remove air pockets. The KERDI is carried to the height of the showerhead (at minimum).

Note: The thin-set mortar used for bonding Schluter<sup>®</sup>-KERDI to the walls and curb must be appropriate for the substrate and must penetrate and engage the KERDI fleece. For most substrates (e.g., drywall or CBU), an unmodified thin-set mortar is used. Seams in the membrane are constructed by overlapping the edges of KERDI or KERDI-BAND by 2" (50 mm) using an unmodified thinset mortar.

**Note:** Any protrusions through the KERDI membrane (e.g., mixing valve, shower head, etc.) must be treated with Schluter<sup>®</sup>-KERDI-BAND and Schluter<sup>®</sup>-KERDI-FIX, or equivalent sealant, to ensure a watertight seal.

 Once the entire membrane, including seams, corners, curbs, and connection to drain, have been completely bonded and, therefore, waterproofed, the assembly is ready to be tiled.

**Note:** Prior to setting tile, if the assembly is to be water tested, wait 24 hours to allow for final set of the mortar before testing to ensure water-

proof performance of the assembly at seams and connections.

- 8. The grate assembly, which is comprised of a square grate, the height adjustment ring, and the lateral adjustment ring, is set with unmodified thin-set mortar. The height of the grate is adjusted via the height adjustment collar and aligned flush with the top of the covering. Since the diameter of the height adjustment collar is smaller than the opening of the bonding flange, the grate can be positioned to match the joint pattern of the tile covering.
- 9. For tile installations using the thin-bed method, apply unmodified thin-set mortar directly to the exposed Schluter<sup>®</sup>-KERDI surface and install the tiles, ensuring full coverage. For acid-resistant coverings, use an epoxy adhesive to set and grout the tile.

#### **Product Item Numbers**



\*Off-center drain at 10" (25 cm) from end

8.3 Schluter <sup>®</sup> -KE	RDI-SHOWER-SC		(prefabricated EPS curb)
Item No.	Width	Length	Height
SC-122	4-1/2" – <i>11.5 cm</i>	48" – <i>122 cm</i>	6" – 15 cm



8.3 Schluter*-KERDI-SHOWER-SR		(	prefabricated EPS ramp)
Item No.	Width	Length	Height
SR-122	48" – <i>122 cm</i>	15-7/8" – <i>40 cm</i>	1-1/2" – <i>3.8 cm</i>
SR-122	48" – <i>122 cm</i>	15-7/8" – <i>40 cm</i>	1-1/2" – <i>3.8 cm</i>

8.1 Schluter®-KEI	RDI		(waterpro	oofing membrane)
Item No.	Width	Length	Area	Thickness
KERDI 200/5M	3' 3" – 1 m	16' 5" – <i>5 m</i>	54 ft² – 5 m²	8 mil
KERDI 200/10M	3' 3" – 1 m	33' – <i>10 m</i>	108 ft <sup>2</sup> – <i>10 m</i> <sup>2</sup>	8 mil
KERDI 200	3' 3" – 1 m	98' 5" – <i>30 m</i>	323 ft² – <i>30 m</i> ²	8 mil

8.1 Schluter <sup>®</sup> -KERDI-BAND			(waterproofing strips)
Item No.	Width	Length	Thickness
KEBA 100/125/5M	5" – <i>12.5 cm</i>	16' 5" <i>– 5 m</i>	4 mil
KEBA 100/125/10M	5" – <i>12.5 cm</i>	33' – <i>10 m</i>	4 mil
KEBA 100/185/5M	7-1/4" – <i>18.5 cm</i>	16' 5" <i>– 5 m</i>	4 mil
KEBA 100/250/5M	10" – <i>25 cm</i>	16' 5" <i>– 5 m</i>	4 mil
KEBA 100/125	5" – <i>12.5 cm</i>	98' 5" – <i>30 m</i>	4 mil
KEBA 100/185	7-1/4" – <i>18.5 cm</i>	98' 5" – <i>30 m</i>	4 mil
KEBA 100/250	10" – <i>25 cm</i>	98' 5" – <i>30 m</i>	4 mil



8.1 Schluter®-KERDI-FLEX (w		aterproofing strips for use	e above movement joints)
Item No.	Width	Length	Thickness
FLEX 125/5M	5" – <i>12.5 cm</i>	16' 5" <i>– 5 m</i>	12 mil
FLEX 250/5M	10" – <i>25 cm</i>	16' 5" <i>– 5 m</i>	12 mil
FLEX 125/30	5" – <i>12.5 cm</i>	98' 5" – <i>30 m</i>	12 mil
FLEX 250/30	10" – <i>25 cm</i>	98' 5" – <i>30 m</i>	12 mil







KERECK-F	(pre-formed corners)
Thickness	Packaging
4 mil	2 Inside corners
4 mil	10 Inside corners
4 mil	2 Outside corners
4 mil	10 Outside corners
	KERECK-F Thickness 4 mil 4 mil 4 mil 4 mil 4 mil



8.1 Schluter®-KERDI-I	<m< th=""><th></th><th>(pipe collar)</th></m<>		(pipe collar)
Item No.	Dimensions	Thickness	Packaging
KM 5117/22	7" x 7" - 17 cm x 17 cm	4 mil	5 units
Hole diameter, ø = 7/8" - 22 mm			





8.2 Schluter <sup>®</sup> -KERDI-DRAIN			
Item No.	Materials		
with Stainless steel grate (E 3	04) (1.4301 = V2A)		
KD2/PVC/E	PVC		
KD2/ABS/E	ABS		
with Brushed nickel anod. alu	. grate (ANIGB)		
KD2/PVC/ANIGB	PVC		
KD2/ABS/ANIGB	ABS		
with Brushed copper/bronze a	anod. alu. grate (AKGB)		
KD2/PVC/AKGB	PVC		
KD2/ABS/AKGB	ABS		
with Brushed brass anod. alu.	grate (AMGB)		
KD2/PVC/AMGB	PVC		
KD2/ABS/AMGB	ABS		
Drain casing is available in ABS or PVC. All other components are made of ABS, except where otherwise indicated.			

Tamper-proof screws		(for grate)
Item No.	Description	Packaging
KD/TPSCRW	Tamper-proof screw	1 unit
KD/TPWRCH	Wrench	1 unit



#### **Components**

- 1) Grate (Stainless steel, Brushed nickel anodized aluminum, Brushed copper/bronze anodized aluminum, Brushed brass anodized aluminum)
- 2) Height adjustment collar
- a) Lateral adjustment ring
  b) Drain casing with fleece-laminated bonding flange



8.3 Schluter®-KERDI-I	FIX (sealant)
Item No.	Cartridge Volume
KERDIFIX / <i>color</i> *	9.81 oz <i>(290 ml)</i>







## Schluter®-KERDI-SHOWER-KIT (48" x 48" center drain tray)

Components	Description	Quantity
KERDI-SHOWER-ST	Shower tray, 48" x 48" (122 cm x 122 cm)	1
2 KERDI-SHOWER-SC	Shower curb, 48" x 6" x 4-1/2" (122 cm x 15 cm x 11.5 cm)	1
🕄 KERDI	Waterproofing membrane, 3' 3" x 33' (1 m x 10 m)	1
4 KERDI-BAND	Waterproofing strip, 5" x 33' (125 mm x 10 m)	1
5 KERDI-DRAIN	Drain, with integrated bonding flange	1
KERDI-KERECK-F	Inside corners Outside corners	4 2



Specify material for drain (ABS or PVC) and grate finish		
Item No.	Materials	
with Stainless steel grate (E 304) (1.4301 = V2A)		
KK122/PVC/E	PVC	
KK122/ABS/E	ABS	
with Brushed nickel anodized aluminum grate (ANIGB)		
KK122/PVC/ANIGB	PVC	
KK122/ABS/ANIGB	ABS	
with Brushed copper/bronze anodized aluminum grate (AKGB)		
KK122/PVC/AKGB	PVC	
KK122/ABS/AKGB	ABS	
with Brushed brass anodized aluminum grate (AMGB)		
KK122/PVC/AMGB	PVC	
KK122/ABS/AMGB	ABS	

**Note:** Drain casing is available in ABS or PVC. All other components are made of ABS, except where otherwise indicated.



Schluter*-KERDI-SHOWER-KIT (72" x 72" center drain tray)		
Components	Description	Quantity
KERDI-SHOWER-ST	Shower tray, 72" x 72" (183 cm x 183 cm)	1
2 KERDI-SHOWER-SC	Shower curb, 48" x 6" x 4-1/2" (122 cm x 15 cm x 11.5 cm)	2
3 KERDI	Waterproofing membrane, 3' 3" x 33' (1 m x 10 m)	2
4 KERDI-BAND	Waterproofing strip, 5" x 33' (125 mm x 10 m)	2
5 KERDI-DRAIN	Drain, with integrated bonding flange	1
KERDI-KERECK-F	Inside corners Outside corners	4 2



Specify material for drain (ABS of PVC) and grate
---

Item No.	Materials
with Stainless steel grate (E 304) (1.4301 =	/2A)
KK183/PVC/E	PVC
KK183/ABS/E	ABS
with Brushed nickel anodized aluminum gra	te (ANIGB)
KK183/PVC/ANIGB	PVC
KK183/ABS/ANIGB	ABS
with Brushed copper/bronze anodized alum	inum grate (AKGB)
KK183/PVC/AKGB	PVC
KK183/ABS/AKGB	ABS
with Brushed brass anodized aluminum gra	te (AMGB)
KK183/PVC/AMGB	PVC
KK183/ABS/AMGB	ABS

**Note:** Drain casing is available in ABS or PVC. All other components are made of ABS, except where otherwise indicated.





	Schluter®-KERDI-SHOWER-KIT (32" x 60" center drain tray)		
	Components	Description	Quantity
D	KERDI-SHOWER-ST	Shower tray, 32" x 60" (81 cm x 152 cm)	1
2	KERDI-SHOWER-SC	Shower curb, 48" x 6" x 4-1/2" (122 cm x 15 cm x 11.5 cm)	2
3	KERDI	Waterproofing membrane, 3' 3" x 33' (1 m x 10 m)	1
4	KERDI-BAND	Waterproofing strip, 5" x 33' (125 mm x 10 m)	1
5	KERDI-DRAIN	Drain, with integrated bonding flange	1
	KERDI-KERECK-F	Inside corners Outside corners	4 2



#### Specify material for drain (ABS or PVC) and grate finish

Item No.	Materials	
with Stainless steel grate (E 304) (1.4301 = V2A)		
KK81/152/PVC/E	PVC	
KK81/152/ABS/E	ABS	
with Brushed nickel anodized aluminum grate (ANIGB)		
KK81/152/PVC/ANIGB	PVC	
KK81/152/ABS/ANIGB	ABS	
with Brushed copper/bronze anodized alumi	num grate (AKGB)	
KK81/152/PVC/AKGB	PVC	
KK81/152/ABS/AKGB	ABS	
with Brushed brass anodized aluminum grate (AMGB)		
KK81/152/PVC/AMGB	PVC	
KK81/152/ABS/AMGB	ABS	

ote: Drain casing is available in as or PVC. All other components e made of ABS, except where nerwise indicated.



Note: Tray features offcenter drain placement: 10" *(25.4 cm)* o.c. from end of tray.

#### Schluter®-KERDI-SHOWER-KIT (32" x 60" off-center drain tray) Components Description Quantity KERDI-SHOWER-ST Shower tray, 32" x 60" (81 cm x 152 cm) 1 2 KERDI-SHOWER-SC Shower curb, 48" x 6" x 4-1/2" (122 cm x 15 cm x 11.5 cm) 2 Waterproofing membrane, 3' 3" x 33' (1 m x 10 m) 8 KERDI 1 4 KERDI-BAND Waterproofing strip, 5" x 33' (125 mm x 10 m) 6 KERDI-DRAIN Drain, with integrated bonding flange 1 Inside corners KERDI-KERECK-F 4 Outside corners 2



Specify material for drain (ABS of	or PVC) and grate finish
Item No.	Materials

item no.	Iviatoriais	
with Stainless steel grate (E 304) (1.4301 = V	/2A)	
KKB81/152/PVC/E	PVC	
KKB81/152/ABS/E	ABS	
with Brushed nickel anodized aluminum grat	te (ANIGB)	
KKB81/152/PVC/ANIGB	PVC	
KKB81/152/ABS/ANIGB	ABS	
with Brushed copper/bronze anodized alum	inum grate (AKGB)	
KKB81/152/PVC/AKGB	PVC	
KKB81/152/ABS/AKGB	ABS	
with Brushed brass anodized aluminum grat	e (AMGB)	Note: Drain casin
KKB81/152/PVC/AMGB	PVC	ABS or PVC. All
KKB81/152/ABS/AMGB	ABS	are made of AB otherwise indicated

ig is available in other components S, except where





**8.1 Schluter\*-KERDI** and **8.2 Schluter\* -KERDI-DRAIN** are used to waterproof a shower installation. The assembly is ready for tile setting.



The **8.2** Schluter<sup>®</sup>-KERDI-DRAIN grate assembly accommodates 1/4" (*6 mm*) to 1-1/4" (*32 mm*) -thick tiles and features both lateral and tilt adjustment.



The **Schluter**<sup>®</sup> **Shower System** eliminates the potential for leakage, efflorescence, and mold growth to ensure that tiled showers remain beautiful and functional over time.



PROFILE OF INNOVATION

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