Schlüter® Systems

PROFILE OF INNOVATION

Schlüter®-KERDI-LINE

Drainage

linear drains for bonded waterproofing assemblies

8.7

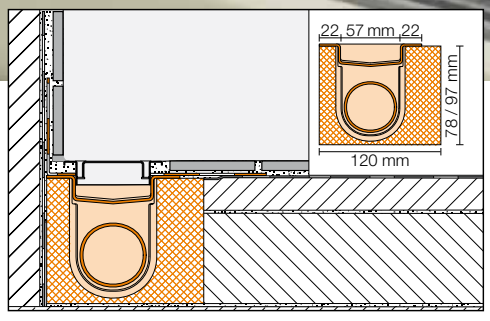
Product data sheet

Application and Function

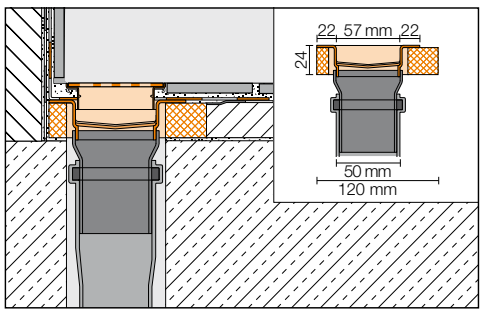
Schlüter®-KERDI-LINE is a component linear drainage system for the construction of floor level showers with ceramic tiles, natural stone, or other coatings.
It consists of a deep-drawn stainless steel channel body as well as a grate and frame top section that can be seamlessly adjusted to the thickness of the covering with the help of the installation aid included in the set. The frame structures are available in 3 versions, as a profile frame with a 10 mm brushed or polished visible area or as a contour frame.
Schlüter®-KERDI-LINE-H with horizontal drain features an integrated odour trap and a drain body.
Height of channel support:
DN 40 (40 mm) = 78 mm
DN 50 (50 mm) = 97 mm
Schlüter®-KERDI-LINE-H 50 G2 with a front-facing horizontal outlet, and an odour trap that is integrated into the drain body. In accordance with DIN 1253, it has a drain capacity of ≥ 0.8 l/s (with 20 mm head of water) and a water trap height of 50 mm.
Height of channel support:
DN 50 (50 mm) = 120 mm
Schlüter®-KERDI-LINE-F with horizontal drain toward the front is equipped with an odour trap that is integrated into the drain.
Height of channel support:
DN 40 (40 mm) = 60 mm
Schlüter®-KERDI-LINE-V, -VS, -VOS for vertical drainage, e.g. through a floor structure, is available either with the odour trap integrated into the drain body (KERDI-LINE-V) or with a pipe siphon (KERDI-LINE-VS) – also available with offset drain outlet (KERDI-LINE-VOS).
Height of channel support:
DN 50 (50 mm) = 24 mm

Schlüter®-KERDI-LINE-V 50 G2 for vertical drainage is equipped with an odour trap that is integrated into the drain body. In accordance with DIN 1253, it has a drain capacity of ≥ 1.0 l/s (with 20 mm head of water) and a water trap height of 50 mm.
Height of channel support:
DN 50 (50 mm) = 48 mm

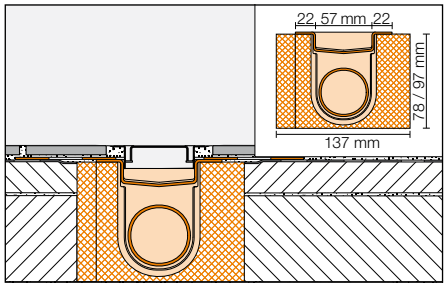
For quick and easy installation, the channel body for KERDI-LINE-H50 and -H40 is simply inserted into the precisely matching polystyrene channel support. Because of the drain configuration, the channel body and the channel support for Schlüter®-KERDI-LINE-V, -H 50 G2 and KERDI-LINE-F are permanently attached to one another.



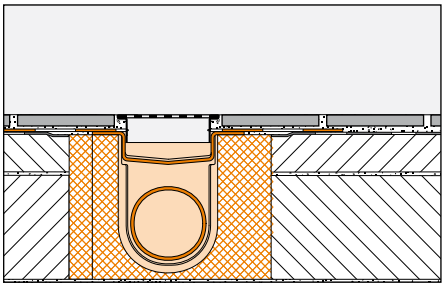
Schlüter®-KERDI-LINE-H (shown with profile frame)



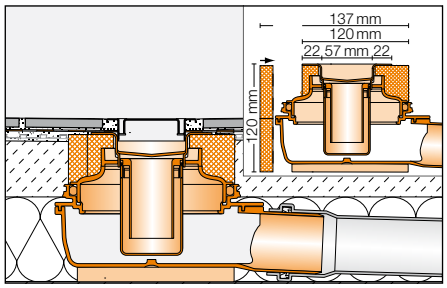
Schlüter®-KERDI-LINE-V (shown with contour frame)



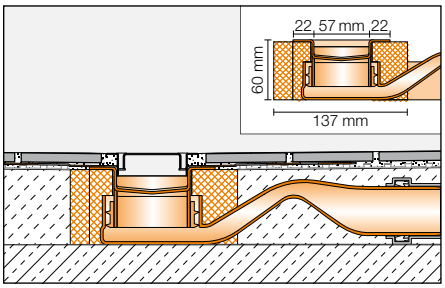
Schlüter®-KERDI-LINE-H
(centre installation, shown with profile frame)



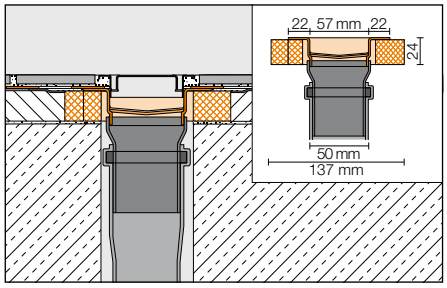
Schlüter®-KERDI-LINE-H
(centre installation, shown with contour frame)



Schlüter®-KERDI-LINE-H 50 G2
(centre installation, shown with profile frame)

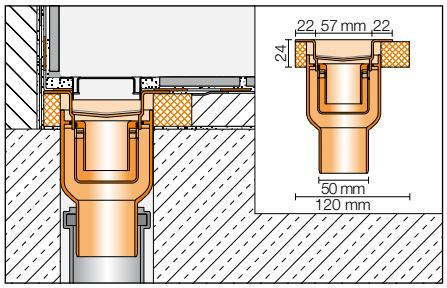


Schlüter®-KERDI-LINE-F
(centre installation, shown with profile frame)

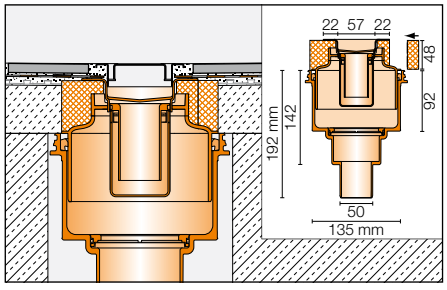


Schlüter®-KERDI-LINE-V GSE
(centre installation, shown with profile frame)

The drainage systems listed here also apply to contour frames with design grates!



Schlüter®-KERDI-LINE-V GE
(wall installation with odour trap)



Schlüter®-KERDI-LINE-V 50 G2
(centre installation with odour trap)

Length of linear drainage KERDI-LINE-H , -H 50 G2 and -V, -VS, -V 50 G2:
50 cm to 180 cm
(VOS = off-centre drain outlet from 70 mm to 120 mm),
in increments of 10 cm
Length of linear drainage KERDI-LINE-F:
50 cm to 120 cm,
in increments of 10 cm
A collar made of Schlüter®-KERDI is adhere to the adhesive flange on all sides of the channel body. It ensures the reliable connection of the channel body to the bonded waterproofing assembly, both in the floor area and on upright walls.
In conjunction with the waterproofing systems Schlüter®-KERDI, Schlüter®-DITRA 25, Schlüter®-DITRA-HEAT or Schlüter®-KERDI-BOARD and the associated system sealing adhesives Schlüter®-KERDI-COLL-L or Schlüter®-KERDI-FIX, this results in certified bonded waterproofing assemblies with a connected linear drainage. Schlüter®-KERDI-LINE is a system component that complies with the German waterproofing standard DIN 18534 and features national technical approval (abP) in conjunction with the above-mentioned Schlüter systems. The moisture load groups according to abP can be found in the corresponding product data sheets. Pursuant to ETAG 022 (watertight covering kits), Schlüter®-KERDI-LINE is a component of a system with European Technical Approval (ETA). The above-listed Schlüter products tested with KERDI-LINE bear a CE mark.
The visible areas of the profile frame as well as the covers – in closed or punched versions – are made of brushed or polished stainless steel. The profile frame is optionally supplied with a 10-mm-deep tile pan. A frameless covering support (Schlüter®-KERDI-LINE-D) that is universally suitable for all heights is also available.
Schlüter®-KERDI-LINE-GTO is an odour trap with a silicone dry flap. It can be used instead of the two-piece odour trap and prevents the formation of odours that can occur in seldom-used drain systems (in guest bathrooms, vacation homes etc.) when the odour trap unit dries up. With a drain capacity of at least 0.4 l/s (in accordance with DIN EN 1253), the dry odour trap can also permanently replace the existing odour trap unit in these cases (not suitable for use in KERDI-LINE-F / -VS / -VOS). Further information on Schlüter®-KERDI-LINE-GTO can be found on page 17.

Note:
Schlüter®-KERDI-LINE-H and -V can be installed as an assembly with the matching sloped tray Schlüter®-KERDI-SHOWER-L with integrated KERDI waterproofing (see product data sheet 8.8) up to a channel length of 120 cm.
The installation of a sloped screed is also possible. The screed must be covered with Schlüter®-KERDI (see product data sheet 8.1), DITRA 25 (see product data sheet 6.1) or -DITRA-HEAT (see product data sheet 6.4) at the surface for waterproofing. The installation of a sloped screed is necessary for Schlüter®-KERDI-LINE-H 50 G2, -V 50 G2, and KERDI-LINE-F due to the design of the drain position. In this case, the screed must be covered with Schlüter®-DITRA 25 (see product data sheet 6.1) or DITRA-HEAT at the surface for waterproofing.
The matching system profiles Schlüter®-SHOWERPROFILE-S and -R (see Product Data Sheet 14.1) are available for creating neat connections to the floor or wall. Schlüter®-SHOWERPROFILE-S has a tapered design to match the shape of the sloping sides. The surrounding walls must be covered with Schlüter®-KERDI (see Product Data Sheet 8.1) for waterproofing. As an alternative, Schlüter®-KERDI-BOARD (see Product Data Sheet 12.1) can be used to create a waterproofing assembly.

Sound insulation

To maintain sound insulation in accordance with DIN 4109, VDI 4100, ÖNORM B 8115-2 or SIA 181, **Schlüter®-KERDI LINE-SR** is a sound insulation membrane that meets the requirements for impact sound and installation noise as well as user noise with the certified configuration variants KERDI-LINE-H 40 and -H 50. Please refer to the planning basis for Schlüter®-KERDI-LINE-SR for more detailed information.

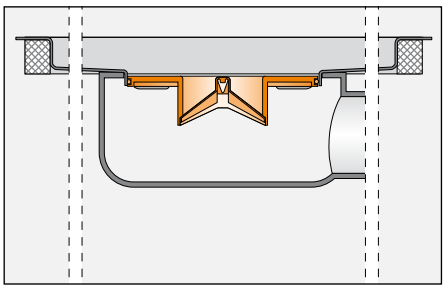
Material

The channel bodies with lengths up to 120 cm are made of formed stainless steel V4A (material no. 1.44404 = AISI 316L). From lengths of 130 cm, they are made of angled and welded stainless steel V4A (material no. 1.44404 = AISI 316L). The channel bodies feature an adhesive flange with a factory-attached Schlüter®-KERDI collar on the surface. This is a soft polyethylene waterproofing membrane with fleece fabric laminated on both sides.
Depending on the type, drain bodies are made of high-impact polypropylene (PP) or acrylonitrile butadiene styrene (ABS).
The odour trap is made of fibre-reinforced polypropylene (PP).
The stainless steel frame and cover grate is available in the following material versions:
V4A material no. 1.4404 = AISI 316L.
Finishes of profile frames and grates:
EB = brushed stainless steel
EP = polished stainless steel
The channel support is made of pressure-resistant, expanded polystyrene (EPS).

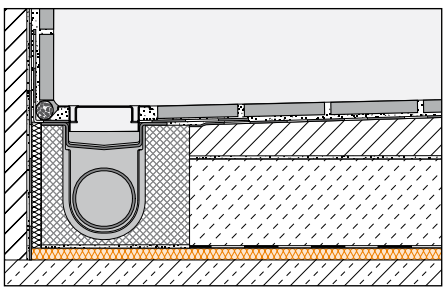
Schlüter®-KERDI-LINE-SR is a specially designed polyester fleece (PES). It is odourless, recyclable and non-rotting. Height = approx. 10 mm

Material properties and areas of application:

The channel body, the frame, and the grates are categorised as Class K3 on the basis of DIN EN 1253 (BS EN 1253), Gullies for Buildings. These include areas without vehicle traffic, such as wet rooms in apartments, nursing homes, hotels, schools as well as public bathrooms and shower facilities. The channel bodies, frames and grates are designed to withstand the use of wheelchairs. Schlüter®-KERDI-LINE is made of V4A (material no. 1.4404 = AISI 316L), which is particularly suitable for high mechanical impact or special exposure to chemicals.
Even stainless steel of quality 1.4404 is not resistant to all chemical stresses, and may be affected, e.g., by hydrochloric and hydrofluoric acid or certain chloride and brine concentrations. In certain cases, this also applies to seawater pools. In special cases, the suitability of the selected floor drainage system must be verified based on the anticipated chemical, mechanical, and/or other stresses. The use of aggressive detergents should be avoided.



Schlüter®-KERDI-LINE-GTO (dry odour trap)



Schlüter®-KERDI-LINE-SR
(Installation example KERDI-LINE-H 40, : Structure B see "Planning Basis Schlüter®-KERDI-LINE-SR")

Notes

The set includes a special cleaning brush with instructions for easy periodic cleaning of the odour trap and the channel body.
All cleaning agents must be free of hydrochloric and hydrofluoric acid.
Avoid contact with other metals, such as regular steel, to prevent corrosion. This also includes installation tools such as trowels or steel wool, e.g. for the removal of adhesive residue.
Do not use abrasive cleaning agents on sensitive surfaces (especially for EP = polished stainless steel).
We recommend the use of the stainless steel cleaning polish Schlüter®-CLEAN-CP.

Installation

The following steps explain the installation of the linear drainage systems. For detailed descriptions please refer to the installation instructions for the following products:
Schlüter®-KERDI-LINE-H
Schlüter®-KERDI-LINE-H 50 G2
Schlüter®-KERDI-LINE-F
Schlüter®-KERDI-LINE-V
Schlüter®-KERDI-LINE-V 50 G2
Schlüter®-KERDI-LINE-D (covering support)

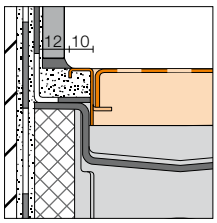
Installation with low construction height:
Schlüter®-KERDI-LINE-H, -H 50 G2 and -F are designed for horizontal drainage to a floor level. Schlüter®-KERDI-LINE-F is particularly well suited for renovation projects due to its low assembly height of just 60 mm. If drainage through a floor level is a possibility, an installation height of ≥ 24 mm can be achieved with Schlüter®-KERDI-LINE-V.

Schlüter®-KERDI-LINE-H
Horizontal drain

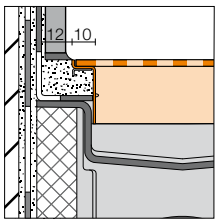
1. The channel support is installed on a level substrate with the appropriate height. To offset uneven sections or for height adjustment, the channel support may also be installed and aligned over several, sufficiently spaced spots of adhesive or on a full layer of levelling screed.
   For wall installation, the channel body must be aligned in accordance with the thickness of the wall covering. For intermediate installation, use the supplied filling strip to create symmetrical dimension for the channel support.

   Note: To improve sound insulation in shower areas, install the insulating membrane Schlüter®-KERDI-LINE-SR and place a perimeter insulation strip along the edge area. Install the sound insulation membranes loosely on the level, solid ceiling with abutting seams. The printed side must be facing up. To avoid sound bridges, the seams can be covered with the seaming tape Schlüter®- DITRA-SOUND-KB. See the planning basis for further installation details of certified system assemblies – in accordance with noise insulation requirements of the corresponding standards and regulations.
2. Fit the channel body into the channel support together with a custom cut drain pipe for connecting to the drainage system of the building. Perform a leak test.
3. Next abut the sloped tray Schlüter®-KERDI-SHOWER-L, together with the levelling board if necessary , to the precisely installed Schlüter®-KERDI-LINE-H drainage channel at the correct height, flush with the upper edge of the channel support (see Product Data Sheet 8.8).
   As an alternative, you can also install a sloped screed at the correct height that is flush with the upper edge of the channel support. Schlüter®-BEKOTEC-DPS Dry Pack screed can be used for creating the sloped screed requirements.
4. To integrate the Schlüter®-KERDI collar, apply the sealing adhesive Schlüter®-KERDI-COLL-L (see Product Data Sheet 8.4) to the adjoining waterproofing assembly with a 3 x 3 mm or 4 x 4 mm notched trowel and completely embed the Schlüter®-KERDI collar in this assembly. Observe the curing times of all materials. Use Schlüter®-KERDI-COLL-L to tightly seal the wall connections with Schlüter®-KERDI-KEBA.
   Installation with low construction height: Schlüter®-KERDI-LINE-H is designed for horizontal drainage on the floor level. If drainage is to go through at floor level, an installation height of ≥ 22 mm can be achieved with Schlüter®-KERDI-LINE-V.


Fig. 1.
Align the channel support



Profile frame



Contour frame


For note: Sound insulation membrane Schlüter®-KERDI-LINE-SR


Fig. 2. Insert the channel body


Fig. 3.
Evenly install the levelling board


Fig. 3.
Slide the sloped tray under the edge of the channel body


Fig. 4.
Adhere Schlüter®-KERDI collar with Schlüter®-KERDI-COLL-L


If necessary, the matching prefabricated parts Schlüter®-KERDI-KERS may be used for waterproofing sloped areas.

Schlüter®-KERDI-LINE-H 50 G2
Horizontal drain
with water trap height of 50 mm

1. To achieve the minimum assembly height of 120 mm, shorten the adapter (maximum insertion depth 90 mm) up to a minimum insertion depth of 15 mm.

2. Reattach the adapter to the channel body and screw it firmly into place.

3. Place the drain casing on the adapter and firmly push it in.

4. Apply thin-set adhesive to create a level substrate in the area of the channel support. Place the channel body with the channel support on the drain casing and firmly push it in. If necessary, apply spots of adhesive for height adjustment. Secure the drain casing against adapter slippage. For wall installation, the channel body must be aligned in accordance with the distance from the wall and thickness of the wall covering (see installation examples 4a and 4b).

5. Connect and align the on-site drain pipe.

6. Now apply the sloped screed (2%) of the shower area, over a suitable insulation layer if applicable.

7. Apply thin-bed adhesive to the screed. A notched trowel size of 3 x 3 or 4 x 4 mm is recommended for installing DITRA 25. Use size 6 x 6 mm for installing DITRA-HEAT.

8. Now adhere Schlüter®-DITRA 25 or -DITRA-HEAT, sealing seams with Schlüter®-BAND and Schlüter®-KERDI-COLL-L (see product data sheet 6.1 and 6.4).

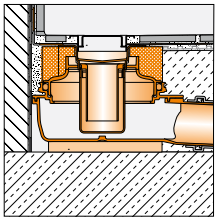
... For additional steps, see Schlüter®-KERDI-LINE-H (from item 4).


Fig. 1.
Shorten adapter


Fig. 2.
Reattach adapter


Fig. 3.
Place drain body on adapter


Fig. 4.
Align the channel support


4a
On-wall installation

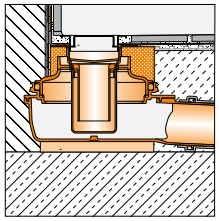

4b
In-wall installation


Fig. 5.
Align the drain pipe


Fig. 6.
Apply sloped screed


Fig. 7.
Apply thin-bed adhesive


Fig. 8.
Adhere Schlüter®-DITRA-25 or -DITRA-HEAT

Schlüter®-KERDI-LINE-F
Horizontal drain forward facing

1. Place the supplied gasket on the outlet of the channel body (note position).

2. Now attach the drain body in place, by pushing onto the gasket.

3. Apply thin-bed adhesive on the even and level substrate and set the channel support in place. To offset uneven sections or for height adjustment, the channel support may also be installed and aligned over several, sufficiently spaced spots of adhesive or on a full layer of leveling screed.
   For perimeter wall installation, the channel body must be aligned in accordance with the thickness of the wall covering. For intermediate installation, use the supplied filling strip to create symmetrical dimensions for the channel support.

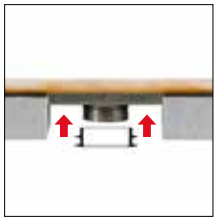
4. Now connect the drain body to the buildings drain system. Adjust the channel body with a spirit level and check for leaks.

5. Install the sloped screed (2%) of the shower area against the precisely installed and levelled Schlüter®-KERDI-LINE-F. Schlüter®-BEKOTEC-DPS Dry Pack screed can be used for creating the sloped screed requirements.

6. Once the screed is ready to bear weight, solidly embed Schlüter®-DITRA 25 on the screed area with thin-bed tile adhesive (recommended notched trowel size 3 x 3 mm or 4 x 4 mm). The tile format for installation over Schluter®-DITRA 25 must be at least 5 x 5 cm (see also Product Data Sheet 6.1).

7. To adhere the Schlüter®-KERDI collar, apply the sealing adhesive Schlüter®-KERDI-COLL-L (see Product Data Sheet 8.4) to the adjoining waterproofing assembly with a 3 x 3 mm or 4 x 4 mm notched trowel and completely embed the Schlüter®-KERDI collar in this assembly, observing the curing times of all materials. Use Schlüter®-KERDI-COLL-L to create tightly sealed wall connections with the Schlüter®-KERDI-KEBA sealing band.


Re. 1.




Re. 2.


Re. 3.

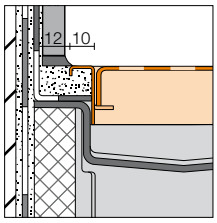


Fig. profile frame

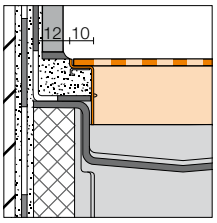


Fig. contour frame


Re. 4.


Re. 4.


Re. 5.


Re. 6.


Re. 7.

Schlüter®-KERDI-LINE-V, -VS, -VOS
Vertical drain

1. The channel support is installed on a level substrate with the appropriate height. To offset uneven sections or for height adjustment, the channel support may also be precisely aligned on a layer of levelling screed.
   For wall installation, the channel body must be aligned in accordance with the thickness of the wall covering. For intermediate installation, use the supplied filling strip to create symmetrical dimension for the channel support.
   Note: To improve sound insulation in shower areas, install the insulating membrane Schlüter®-KERDI-LINE-SR and place a perimeter insulation strip along the edge area. Install the sound insulation membranes loosely on the level, solid ceiling with abutting seams. The printed side must be facing up. To avoid sound bridges, the seams can be covered with the seaming tape Schlüter®-DITRA-SOUND-KB. See planning basis for installation details of certified system assemblies.
2. Fit the channel body into the channel support together with a custom cut drain pipe for connecting to the drainage system of the building. Perform a leak test.
3. Next abut the sloped tray Schlüter®-KERDI-SHOWER-L to the precisely installed Schlüter®-KERDI-LINE-V drainage channel at the correct height, flush with the upper edge of the channel support (see Product Data Sheet 8.8). As an alternative, you can also install a sloped screed at the correct height that is flush with the upper edge of the channel support.
4. To integrate the Schlüter®-KERDI collar, apply the sealing adhesive Schlüter®-KERDI-COLL-L (see Product Data Sheet 8.4) to the adjoining waterproofing assembly with a 3 x 3 mm or 4 x 4 mm notched trowel and completely embed the Schlüter®-KERDI collar in this assembly. Observe the curing times of all materials. Use Schlüter®-KERDI-COLL-L to tightly seal the wall connections with Schlüter®-KERDI-KEBA.

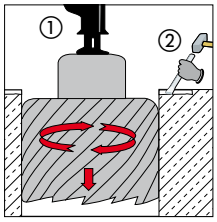


Fig 1.
Core drilling hole/floor structure opening

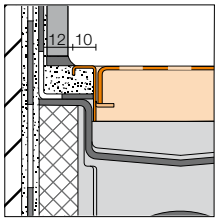


Fig. profile frame

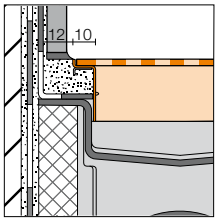


Fig. contour frame


Fig 2.
Insert drain pipe


Fig 3.
Slide the sloped tray under the edge of the channel body


Fig 4.
Adhere KERDI collar with KERDI-COLL-L

Schlüter®-KERDI-LINE-V 50 G2
Vertical drain
with water trap height of 50 mm

1. Determine the position of the linear drainage and create a core drilling hole/ceiling opening for the drain casing. Then place the drain casing in this location.

2. To achieve the minimum assembly height of 48 mm, shorten the adapter (maximum insertion depth 90 mm) up to a minimum insertion depth of 30 mm.

3. Reattach the adapter to the channel body and screw it firmly into place.

4. Apply thin-bed adhesive to create a level substrate in the area of the channel support. Place the channel body with the channel support on the drain casing and firmly push it in. If necessary, apply spots of adhesive for height adjustment. For wall installation, the channel body must be aligned in accordance with the distance from the wall and thickness of the wall covering (see installation examples 4a and 4b).

5. Now apply the sloped screed (2%) of the shower area.

6. Apply thin-bed adhesive to the screed. A notched trowel size of 3 x 3 or 4 x 4 mm is recommended for installing DITRA 25. Use size 6 x 6 mm for installing DITRA-HEAT.

7. Now adhere Schlüter®-DITRA 25 or -DITRA-HEAT, sealing seams with Schlüter®-BAND and Schlüter®-KERDI-COLL-L (see product data sheet 6.1 and 6.4).

... For additional steps, see Schlüter®-KERDI-LINE-H (from item 4).

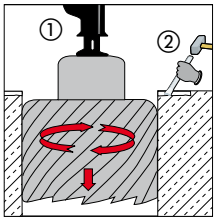


Fig 1.
Core drilling hole/ceiling opening


Fig 2.
Shorten adapter

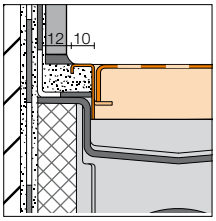


Abb.: profile frame

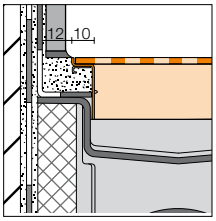
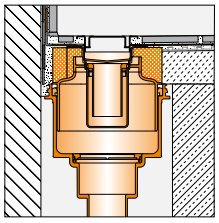


Abb.: contour frame


Fig 3.
Reattach adapter


Fig 4.
Attach channel body with channel support


4a On-wall installation

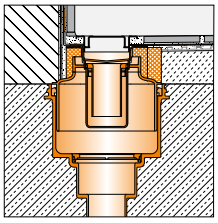

4b In-wall installation


Fig 5.
Apply screed


Fig 6.
Apply thin-bed adhesive


Fig 7.
Adhere Schlüter®-DITRA-25 or -DITRA-HEAT

Fire protection solution for KERDI-LINE-V 50 G2 ... with Schlüter®-KERDI-LINE-BS /-ZBS

The system components prevent the spread of fire to other floor levels according to approval number Z-19.17-1719. The fire protection insert (Art. no.: KL BS) is positioned in the drain casing of the linear drainage set Schlüter®-KERDI-LINE-V 50 G2.

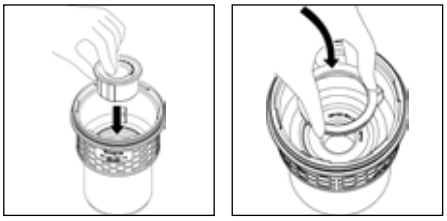
To install the fire protection insert KL BS:

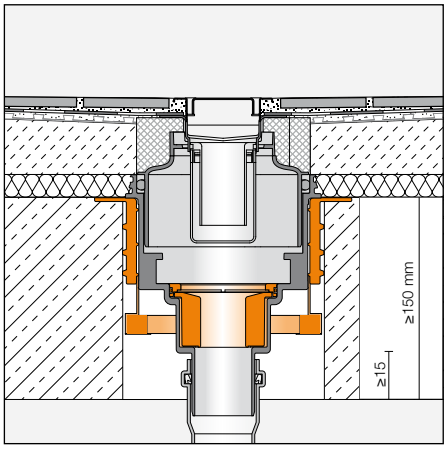
1. Position the fire protection insert KL BS (Fig. 1).
2. 2. Attach the clamping ring, using the supplied lubricant (Fig. 2).

In conjunction with the optional conduit gasket (Art. no. KD ZBS) inserted into the core hole (diameter 160 mm), see Fig. 6, the source material contained in the fire protection insert expands when a temperature of approx. 150 °C is exceeded to safely prevent the penetration of heat, fire and smoke for a fire resistance period of R120, R90, R60, R30 (depending on the ceiling).

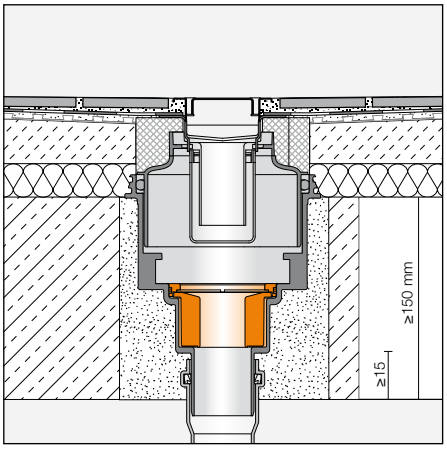
The fire protection function of the conduit gasket KD ZBS only applies in conjunction with the fire protection insert KL BS!

Alternatively, the drain casing can be embedded in concrete or subsequently covered with a class MG III cement mortar in the floor slab.





Conduit gasket KD ZBS with fire protection function (only in connection with fire protection insert KL BS)



Fire protection insert KL BS

Installation at upright lateral wall

1. Cut the Schlüter®-KERDI collar to size for the corner area.

2. Tightly seal the Schlüter®-KERDI collar with Schlüter®- KERDI-COLL. Cut the supplied Schlüter®-KERECK inside corner to size…

3. …and adhere it with Schlüter®-KERDI-COLL-L.

For 1.
Cut the KERDI collar to size

For 2. Adhere KERDI collar/ cut KERECK interior corner to size

For 3.
Adhere KERECK interior corner

Installation of frame and grate

1. Insert the frame with the spacer strip.

2. Use the height adjustment aid to match the frame to the covering thickness – see drawing for details.

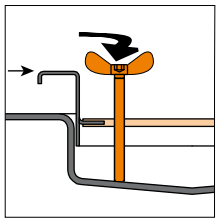
3. Fill thin-bed adhesive underneath the frame on all sides and fully embed the covering.

4. Remove the spacer strip and height adjustment aid after curing. Now install the grate.

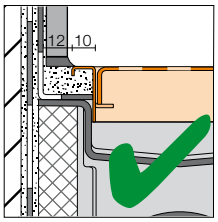
Note: When installing a profile frame with polished finish, remove the protective foil prior to grouting. Residue of adhesive and tile adhesive should be removed immediately.

For 1.
Insert frame incl. spacer strip

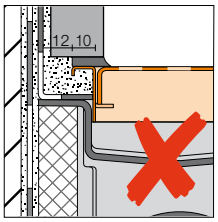
For 2. Use height adjustment aid to match frame...



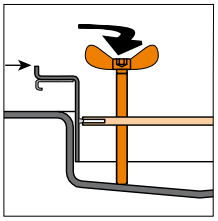
For 2. ...to covering thickness
(Fig. profile frame)



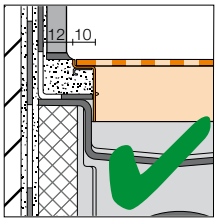
Correct installation
(see Fig. profile frame)



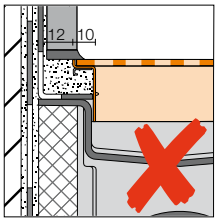
Incorrect installation
(see Fig. profile frame)



For 2. ...to covering thickness
(Fig. contour frame)



Correct installation
(see Fig. contour frame)



Incorrect installation
(see Fig. contour frame)

For 3. Fill frame/fully embed tiles

For 4. Insert grate

Installation of Schlüter®-KERDI-LINE-D frameless covering support

1. For **wall installation**, remove the protective foil of the cover strip as shown, and adhere the unit facing the wall.
2. Now place to spacers into the channel body ....
3. ... and connect it flush with the covering of the shower area. Remove any excess thin-bed adhesive and completely close any exposed areas in the adhesive bed (see note).
4. In wall installation, the width (W) of the covering equals the clear distance from the wall to the inside edge of the spacer less 1 mm.
   For centre installation, the width of the covering equals the inside dimension of the spacer (= 50 mm).
   On the front sides, the cover may be adjusted to the joint width of the overall covering or be installed as a circumferential drainage gap if applicable.
5. Once the covering has cured, remove the spacers and apply thin-bed adhesive to the covering support.
6. Adhere and align the covering. Leave the area of the covering support open when applying grout.

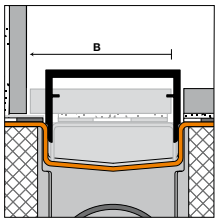
Note: Fully remove excess thin-bed adhesive or completely close any exposed areas in the adhesive bed.

For 1.
For wall installation: Attach adhesive strip facing the wall

For 2.
Insert spacers into the channel body

For 3.
Connect flush with covering of shower area

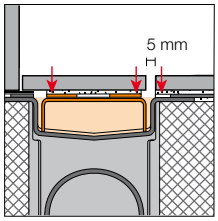
For 4.
Measure covering for the covering support...



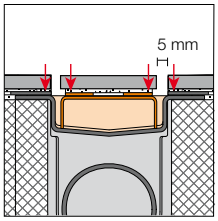
For 4.
... See description on dimension “W”

For 5.
Apply thin-bed adhesive on the covering support

For 6.
Adhere covering – leave the area of the covering support open when applying grout



For note for wall installation



For note for centre installation

Product Overview

Channel lengths

mm	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
KERDI-LINE-H	•	•	•	•	•	•	•	•	•	•	•	•	•	•
KERDI-LINE-H 50 G2	•	•	•	•	•	•	•	•	•	•	•	•	•	•
KERDI-LINE-F	•	•	•	•	•	•	•	•						
KERDI-LINE-V	•	•	•	•	•	•	•	•	•	•	•	•	•	•
KERDI-LINE-V 50 G2	•	•	•	•	•	•	•	•	•	•	•	•	•	•
KERDI-LINE-VS	•	•	•	•	•	•	•	•	•	•	•	•	•	•
KERDI-LINE-VOS			•	•	•	•	•	•						

Profile frame and grate in polished stainless steel

mm	500	600	700	800	900	1000	1100	1200
Profile frame, H = 19 mm	•	•	•	•	•	•	•	•
Grates A and B	•	•	•	•	•	•	•	•
Tile pan C	•	•	•	•	•	•	•	•

Contour frame and design grate in brushed stainless steel

mm	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
Contour frame, H= 23 mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Design grates E/F/G	•	•	•	•	•	•	•	•	•	•	•	•	•	•

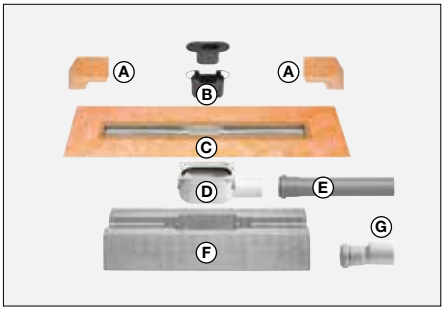
Profile frame and grate in brushed stainless steel

mm	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
Profile frame, H = 19 mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Profile frame, H = 30 mm	•	•	•	•	•	•	•	•						
Grates A and B	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tile pan C	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Covering support D*	•	•	•	•	•	•	•	•	•	•	•	•	•	•

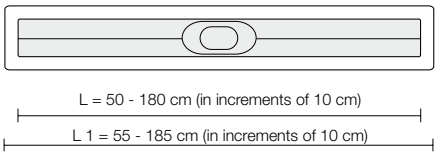
* Length of selected covering support must match channel length

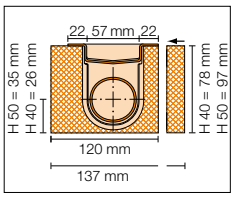
Product versions

Schlüter®-KERDI-LINE-H
Horizontal drain with integrated odour trap



- A Corner seal (for lateral wall connection)
- B Two part odour trap
- C Channel body with waterproofing collar
- D Drain body
- E Drain pipe
- F Channel support
- G Transition from DN 40 to DN 50 (for KERDI-LINE 40 only)



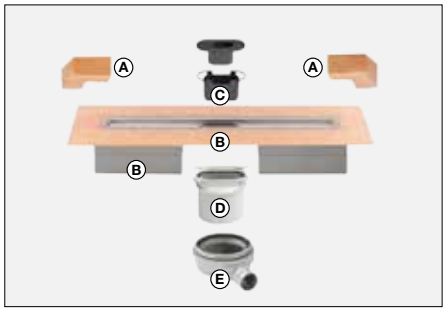


Cross-section

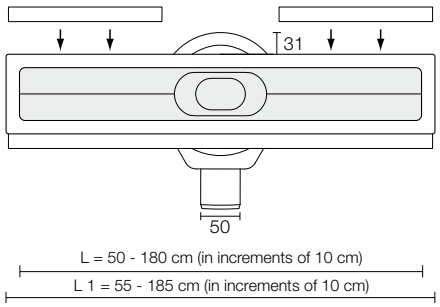
Drain capacity DN 40 according to DIN EN 1253:
With 20 mm head of water = 0.5 l/s (30 l/min)
With 10 mm head of water = 0.42 l/s (25 l/min)
Water trap height 25 mm

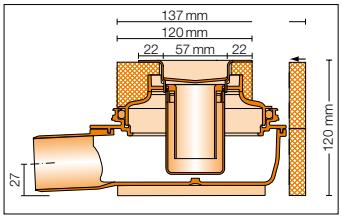
Drain capacity DN 50 according to DIN EN 1253:
With 20 mm head of water = 0.6 l/s (36 l/min)
With 10 mm head of water = 0.57 l/s (34 l/min)
Water trap height 30 mm

Schlüter®-KERDI-LINE-H 50 G2
Horizontal drain with integrated odour trap



- A Corner seal (for upright lateral wall)
- B Channel body with waterproofing collar and channel support
- C Two-piece odour trap
- D Adapter
- E Drain body



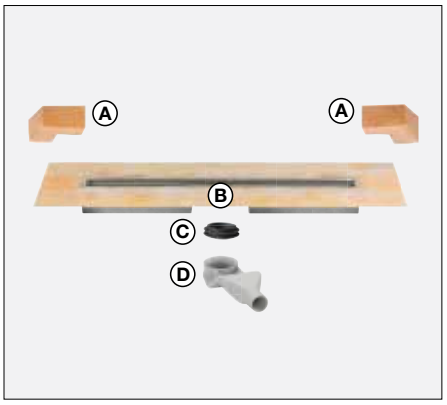


Cross-section

Drain capacity DN 50 according to DIN EN 1253:
With 20 mm head of water = 0.8 l/s (48 l/min)
With 10 mm head of water = 0.72 l/s (43 l/min)
Water trap height 50 mm

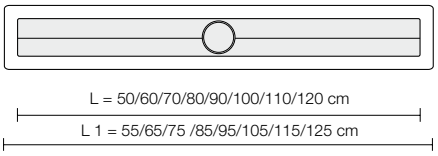
Schlüter®-KERDI-LINE-F

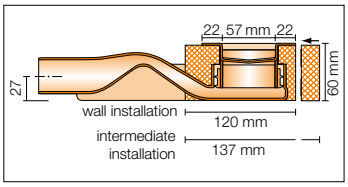
Horizontal drain with odour trap integrated into the drain body



Drain capacity DN 40 according to DIN EN 1253:
With 20 mm head of water = 0.45 l/s (26 l/min)
With 20 mm head of water = 0.42 l/s (25 l/min)
Water trap height 25 mm

- A Corner seal (for lateral wall connection)
- B Channel body with waterproofing collar and channel support
- C Gasket
- D Drain pipe

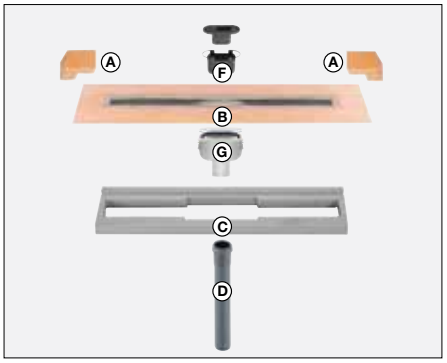




Cross-section

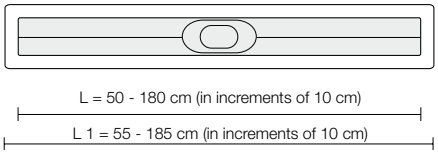
Schlüter®-KERDI-LINE-V

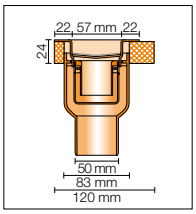
Vertical drain with integrated odour trap



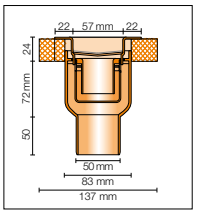
Drain capacity DN 50 according to DIN EN 1253:
With 20 mm head of water = 0.8 l/s (48 l/min)
With 20 mm head of water = 0.75 l/s (45 l/min)
Water trap height 30 mm

- A Corner seal (for lateral wall connection)
- B Channel body with waterproofing collar
- C Channel support
- D Drain pipe
- F Two part odour trap
- G Drain body

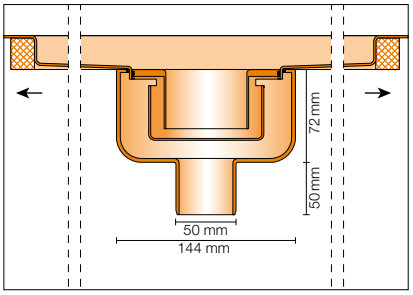




Cross section of perimeter installation

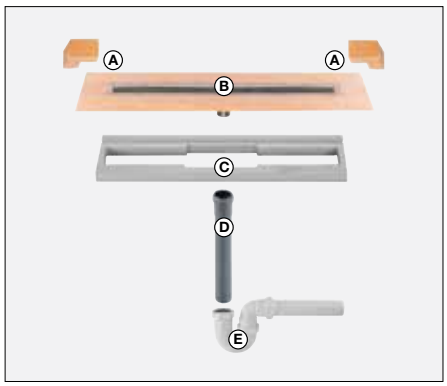


Cross section of intermediate installation

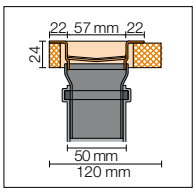


Longitudinal view of wall/centre installation

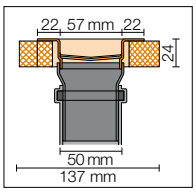
Schlüter®-KERDI-LINE-VS /-VOS
Vertical drain with water trap



- A Corner seal (for lateral wall connection)
- B Channel body with waterproofing collar
- C Channel support
- D Drain pipe
- E Water trap

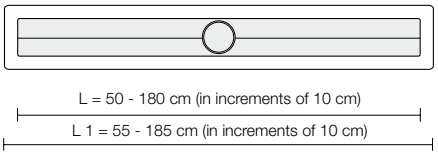


Cross section of perimeter installation

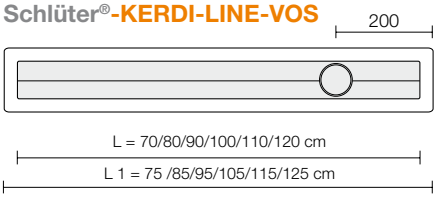


Cross section of intermediate installation

Schlüter®-KERDI-LINE-VS

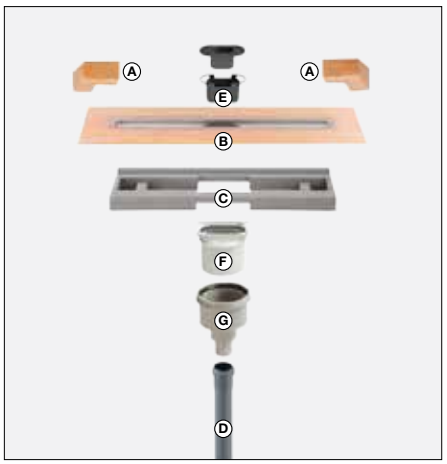


Schlüter®-KERDI-LINE-VOS

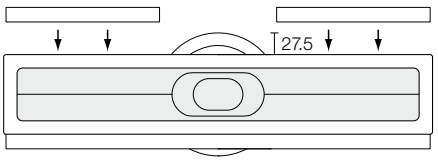


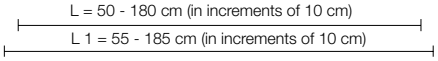
Drain capacity DN 50 according to DIN EN 1253:
With 20 mm head of water = 1.0 l/s (60 l/min)
With 10 mm head of water = 0.95 l/s (57 l/min)
Water trap height 50 mm

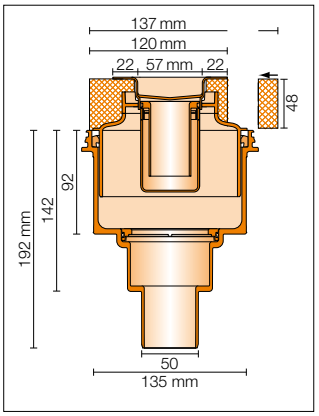
Schlüter®-KERDI-LINE-V 50 G2
Vertical drain
with integrated odour trap



- A Corner seal (for lateral wall connection)
- B Channel body with waterproofing collar
- C Channel support
- D Drain pipe
- E Two-piece odour trap
- F Adapter
- G Drain body



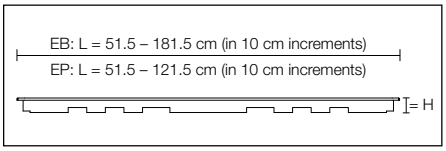




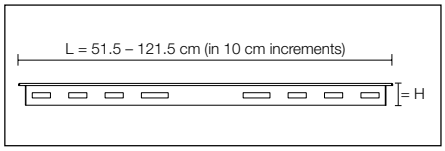
Cross-section

Drain capacity DN 50 according to DIN EN 1253:
With 20 mm head of water = 1.0 l/s (60 l/min)
With 10 mm head of water = 0.95 l/s (57 l/min)
Water trap height 50 mm

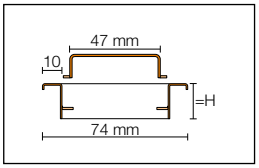
Frame, H= 19 mm
brushed or polished…for coverings with thicknesses
from 3 to 15 mm



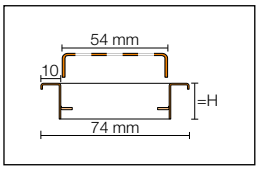
Frame, H= 30 mm
brushed …for coverings with thicknesses
from 13 to 25 mm



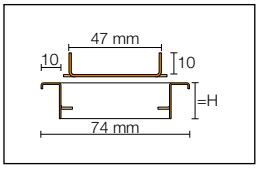
Designer Grate A
brushed or polished



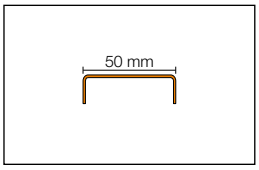
Designer Grate B
brushed or polished



Designer Grate C
brushed or polished… for covering thicknesses up to 10 mm

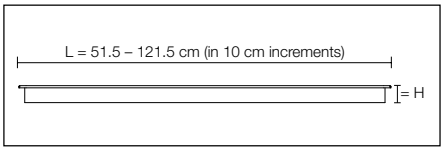


Designer Grate D, frameless tile support
... suitable for all covering thicknesses

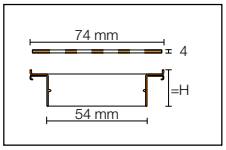


* The length of the selected covering support must match the channel length.

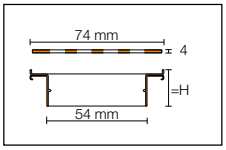
Contour frame, H= 23 mm stainless steel V4A
... for coverings of 6 to 18 mm thickness



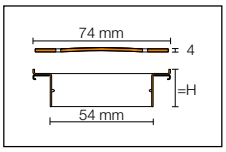
Design grate FLORAL E
brushed



Design grate CURVE F
brushed



Design grate PURE G
brushed

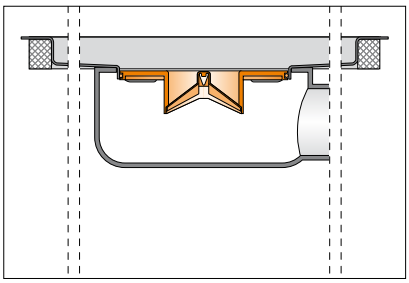


Dry odour trap Schlüter®-KERDI-LINE-GTO

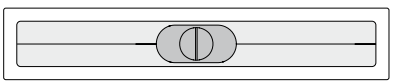
Dry odour trap including silicone dry flap for all Schlüter®-KERDI-LINE linear drainage systems (except KERDI-LINE-F / -VS / -VOS). Prevents odour formation in seldom-used drain systems due to dried-up odour trap unit. Drain capacity: at least 0.4 l/s (in accordance with DIN EN 1253).

Be sure to remove the two-piece odour trap unit integrated into the set prior to inserting the dry odour trap!

Replacement dry flap KERDI-LINE-GTM



Longitudinal section



Top view

Important note:
To guarantee proper function, the silicone dry flap may not come into contact with aggressive chemicals. The item is simply removed – in the corresponding time intervals – and cleaned with a commercial liquid soap. Check the function of the flap after reinserting it. **The enclosed care instructions must be given to the customer!**

Text template for tenders:

_____units Schlüter®-KERDI-LINE as a linear drainage made of deep-drawn stainless steel V4A with a factory-attached Schlüter®-KERDI collar on the flange, for flush installation with the sloped tray or the screed for Schlüter®-KERDI-LINE –H or-V or with the screed for Schlüter®-KERDI-LINE–H, -H 50 G2, -F, -V, -VS, VOS, -V 50 G2, for use in: Interior areas,

■ in the wall area
■ intermediate within the area
■ with horizontal drain
  ■ DN 40 ■ DN 50
■ with vertical drain
■ with integrated odour trap
■ with external pipe siphon

to be installed including the matching frame with grate/design grate.

Length:

■ 50 cm ■ 60 cm ■ 70 cm ■ 80 cm
■ 90 cm ■ 100 cm ■ 110 cm ■ 120 cm
■ 130 cm ■ 140 cm ■ 150 cm ■ 160 cm
■ 170 cm ■ 180 cm

Profile frame and grate

■ 19 mm for covering thicknesses of 3-15 mm, brushed, polished
■ 30 mm for covering thicknesses of 13 - 25 mm, brushed

To be supplied, aligned and professionally installed as part of the installation, with the following grate:

■ A closed, brushed, polished
■ B perforated, brushed, polished
■ C tile pan, brushed, polished
■ D covering support (frameless)

… to be supplied and professionally installed.

Contour frame and design grate

■ 23 mm for covering thicknesses of 6 - 18 mm, brushed

To be supplied, aligned and professionally installed as part of the installation, with the following design grate

■ E FLORAL, brushed
■ F CURVE, brushed
■ G PURE brushed

… to be supplied and professionally installed.

Art. no.:_____
Material: _____ …/unit
Labour: _____ …/unit
Total price: _____ …/unit

Text template for accessories:

_____units Schlüter®-KERDI-DRAIN KL BS as a fire protection insert in accordance with approval number for installation in the linear drain set KLV 50 G2 to prevent the spread of fire for a fire resistance period R120, R90, R60, R30 (depending on the ceiling), to be supplied and professionally installed.

Art. no.:_____
Material: _____ …/unit
Labour: _____ …/unit
Total price: _____ …/unit

Text template for accessories:

_____units Schlüter®-KERDI-DRAIN KD ZBS as a conduit gasket with fire protection in accordance with approval number for fire protection of the core hole (diameter 160 mm) and for simultaneous avoidance of sound bridges in connection with the linear drainage sent KLV 50 G2, to be supplied and professionally installed.

Art. no.:_____
Material: _____ …/unit
Labour: _____ …/unit
Total price: _____ …/unit

Text template for accessories:

_____units
Schlüter®-KERDI-LINE-GTO as a dry odour trap unit to prevent the formation of odours in seldom-used drain systems due to drying up,
… to be supplied and professionally installed.

Art. no.:_____
Material: _____ …/unit
Labour: _____ …/unit
Total price: _____ …/unit.

_____units
Schlüter®-KERDI-LINE-GTM as a replacement silicone dry flap for the dry odour trap

■ Schlüter®-KERDI-LINE-GTO
■ Schlüter®-KERDI-DRAIN-R10 GT

to prevent the formation of odours that may occur in seldom-used drain systems due to drying up,
… to be supplied and professionally installed.

Art. no.:_____
Material: _____ …/unit
Labour: _____ …/unit
Total price: _____ …/unit

Text template for accessories:

_____units
Schlüter®-KERDI-LINE-SR as a sound insulation membrane for linear Schlüter®-KERDI-LINE-H drainage systems to comply with sound insulation requirements in shower areas.
… to be supplied and professionally installed.

Art. no.:_____
Material: _____ …/unit
Labour: _____ …/unit
Total price: _____ …/unit

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