

Schlüter®-DILEX-F

Movement joint profile
for discrete movement joints

4.23

Product data sheet



Application and function

Schlüter-DILEX-F is a prefabricated plastic movement carrier profile with a very narrow, soft insert made of special silicone for installation in tiled coverings. This insert comes in 10 different colours. The lateral, trapezoid perforated anchoring legs, made of recycled rigid PVC, are secured in the tile adhesive beneath the tiles where they transmit occurring movements to the movement zone.

The movement zone absorbs compressive and tensile stresses. The special silicone movement zone with integrated anti-stretch thread, is approx. 3.5 mm wide when installed, matching common grout joint widths.

The smaller width of the movement zone absorbs relatively limited movements; this should be taken into account when evaluating the requirements for a specific application. Schlüter-DILEX-F can be installed as a movement joint in tiled coverings. We recommend using it in conjunction with our uncoupling membranes from the Schlüter-DITRA product family.

If greater movements of the tiled construction are to be expected, we are also happy to refer you to alternative products of the DILEX product range, e.g. Schlüter-DILEX-KS.

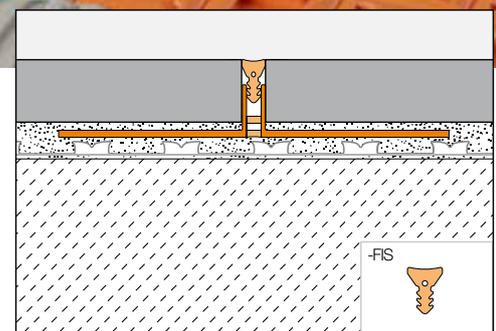
In addition to residential applications, DILEX-F can also be installed in areas with moderate traffic loads, such as offices/salesrooms or car showrooms.



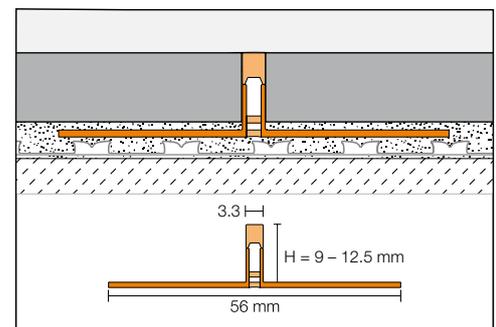
Material

Schlüter-DILEX-FCS is a narrow, prefabricated movement carrier profile with lateral, trapezoid perforated anchoring legs and is made of recycled rigid PVC. The lower movement zone and the orange protective covering consist of soft CPE.

Schlüter-DILEX-FIS is an insert made of cross-linked silicone roll material with integrated anti-stretch thread, that is easily exchangeable if necessary.



Schlüter-DILEX-F



Schlüter-DILEX-FCS



Material properties and areas of application:

The material is resistant to most chemicals commonly encountered in tiled environments and is resistant to fungi and bacteria growth. The surface finish of the DILEX-FIS soft movement zone prevents dirt particles from adhering.

The suitability of a proposed type of profile must be verified based on the anticipated chemical, mechanical, and/or other stresses. The DILEX-FIS insert is UV-resistant and free of softening agents.

DILEX-F is a movement joint for tiled coverings set using the thin bed method in interior areas; the use of uncoupling membranes from the DITRA product family is recommended here.

If, due to the dimensions of the rooms, movement joints are required in the surface, the necessary absorption of movement can be achieved by increasing the number of DILEX-F movement joints in the surface. The profiles are not suited for use above structural movement joints.

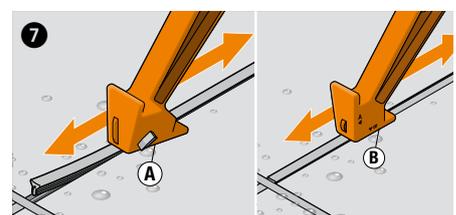
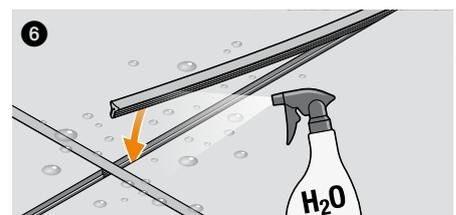
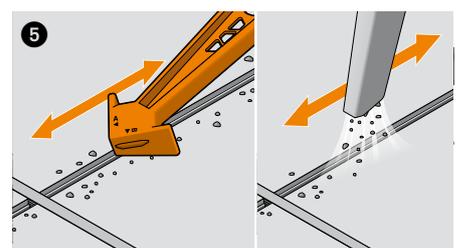
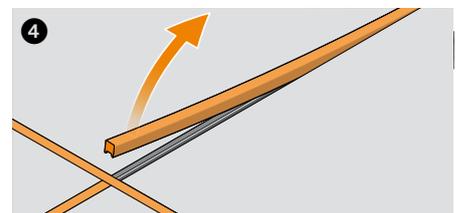
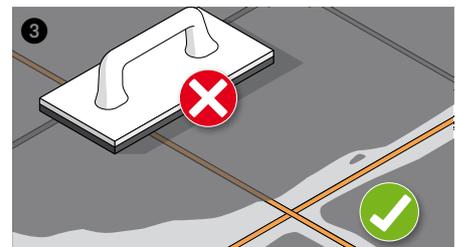
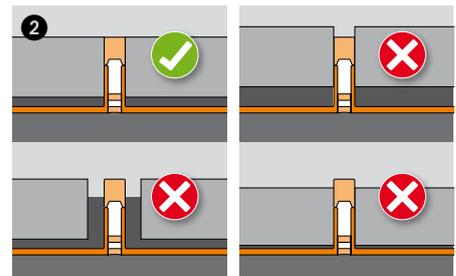
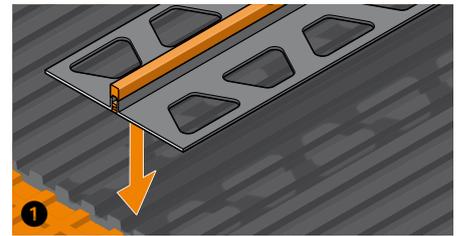
Installation

1. Select DILEX-FCS according to the tile thickness + the thickness of the bed of tile adhesive.
2. Use a notched trowel to apply tile adhesive to the area where the profile is to be installed.
3. Press the trapezoid, perforated anchoring legs of DILEX-FCS into the tile adhesive and align (Figure 1).
4. Trowel additional tile adhesive over the trapezoid perforated anchoring leg to ensure full coverage. Avoid soiling the vertical profile leg.
5. Firmly press the adjoining tiles into place in the tile adhesive **ensuring they are butted tight against the DILEX-FCS carrier profile**. Ensure full adhesive coverage when setting tiles in the profile area (Figure 2). **The surface of the tiles should be as flush as possible with the orange protective covering**. Avoid or immediately remove any tile adhesive that escapes between the profile and tile (Figure 2).

6. Then grout the tiling surface with a suitable jointing material. Omit the joints fitted with DILEX-F (Figure 3).
7. After completing the grouting and cleaning, remove/pull off the orange protective covering (Figure 4). Remove excess mortar or dirt from the joints or tile edges in this area. To do so, use side C of the installation aid supplied and then remove the excess material with a vacuum cleaner (Figure 5).
8. The insert DILEX-FIS should be carefully cut to size and pressed into the profile chamber using sides A and B on the assembly aid (Figure 7). Use a spray gun with water to support the application of the soft zone (Figure 6). In the area of joint intersections, lay the inlay through in one direction where the laterally adjoining soft zones can be abutted.
Important: The installation aid must be used in the manner described. Do not use any alternative tool. Failure to use the installation aid will compromise the installation and invalidate any warranty.

Notes

Schlüter-DILEX-F is resistant to fungi and bacteria and requires no special maintenance or care. Clean the profile along with the tiled surface using common household cleaning agents.





Application area based on local traffic volume



Persons

Total weight –



Shopping carts

Total weight max. 0.4 t



Cars

Total weight max. 3.5 t



Trucks

Total weight max. 40 t



Forklifts

Pneumatic tyres

Total weight max. 5 t

Solid rubber tyres

Total weight max. 2.5 t



Pallet trucks

Hard rubber tyres

Total weight max. 2.5 t

(pallet trucks with tandem axles only)

Note:

Recommended areas of the building:

- Office
- Shop without industrial trucks/pallet trucks
- Residential construction
- Car showrooms

● permissible

● not permissible

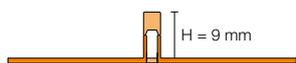
Product overview:

Schlüter®-DILEX-FCS

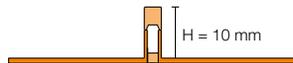
Movement profile: Carrier profile with protective covering

Delivery length: 2.50 m

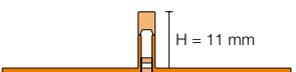
Heights
H = 9 mm
H = 10 mm
H = 11 mm
H = 12.5 mm



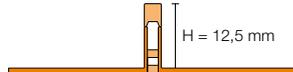
Schlüter-DILEX-FCS 9 mm



Schlüter-DILEX-FCS 10 mm



Schlüter-DILEX-FCS 11 mm



Schlüter-DILEX-FCS 12.5 mm



Schlüter®-DILEX-FIS

is an insert, made of cross-linked silicone with integrated anti-stretch thread

Supplied as a 30m roll

Colours	G	PG	BW	HB	GS	SP	C	SG	DA	FG
W = 3,5 mm*	•	•	•	•	•	•	•	•	•	•

* Installed width

Movement zone colours:

- G = grey
- PG = pastel grey
- BW = brilliant white
- HB = light beige
- GS = graphite black
- SP = soft peach
- C = cream
- SG = stone grey
- DA = dark anthracite
- FG = joint grey



Installation aid

Text template for tenders:

_____ Schlüter-DILEX-F as a movement joint profile with lateral, trapezoid perforated anchoring legs made of recycled rigid PVC and 3.5 mm wide flexible, subsequently installed Schlüter-DILEX-FIS movement zone made of cross-linked silicone, and install according to manufacturer's specifications.

Profile height
(depending on tile thickness + tile adhesive):
_____ mm

Colour: _____

Art. No.: _____

Material: _____/m

Labour: _____/m

Total: _____/m

