

Profiles for maintenance free movement joints

Schlüter®-DILEX



Application areas depending on specific traffic load



People



Shopping carts



Cars



Trucks



Forklifts



Lift trucks

Finishes

Standard colours



BW
brilliant white



CG
yellow



G
grey



GS
graphite black



HB
light beige



PG
pastel grey



SP
soft peach



ZR
brick red

Trending colours



DA
dark anthracite



C
cream



SG
stone grey



FG
joint grey

Surfaces

Anodised aluminium



AE
anodised aluminium



ACG
polished chrome
anodised aluminium



ACGB
brushed chrome
anodised aluminium

Aluminium textured coating



TSI
textured natural
ivory



TSSG
textured natural
stone grey



TSDA
textured natural
dark anthracite



Movement joints are essential

Although at first glance they don't appear to move, tiles, screed, and concrete are "living" materials. Even massive structures made of these materials are constantly subject to form changes (deformation). Such deformations are caused by drying, loads, changes in moisture content and temperature fluctuations, which can combine and compound one another.

To ensure that deformation does not cause

damage, screed and covering assemblies e.g., tiled floors, must include movement joints, which allow movement to occur, limiting stresses which could cause damage to the covering. The requirements listed in BS 5385 parts 1-4, must be observed. These information documents also include specific recommendations regarding the width and positioning arrangements of the joints.

Schlüter-Systems offers the option of producing movement joints with Schlüter-DILEX profiles. In contrast to conventional sealant joints, such joints are permanently maintenance free. They are installed in conjunction with the tiles, eliminating the need for additional installation requirements. This overview brochure illustrates the installation of profiles to create movement joints as an alternative to the use of elastic sealants.

Movement profiles are distinguished by function

Control joints ...

create a pattern of limited fields in large areas of screed and covering. They must be continued from the surface of the covering to the separating layer under the screed or to the covering of the insulation or waterproofing layer. In door transition areas, the screed should contain movement joints, which are continued in the covering to reduce stresses occurring at these locations and to prevent the transmission of impact sound. Movement joints in the substrate may not be closed or covered with flooring materials.



Structural joints ...

(expansion joints) are joints required for static or engineering reasons, which divide a building in various movement segments. They run through all load bearing and non-load bearing parts of a building and must be continued in the screed construction and the floor covering at the identical location and in the specified width.



This type of damage is preventable with Schlüter®-DILEX movement profiles.

Perimeter joints ...

are movement joints placed in the screed and the covering along walls and construction elements that penetrate the screed, such as columns. They reduce impact sound transmission and absorb the movements of the floor assembly. Edge joints may not be rigidly closed, since this may lead to the formation of sound bridges and tensions in the covering construction.

Our range of movement joints includes cove-shaped profiles for wall to floor transitions and internal wall corners. They are designed to allow for especially easy cleaning.

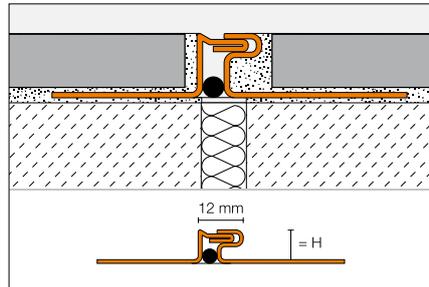
Connection joints ...

are movement joints placed in the screed and the covering at construction elements such as window openings, doorframes, shower trays and bath tubs.

Control joints

Schlüter®-DILEX-EDP is a stainless steel movement profile, which allows horizontal movement through a tongue and groove connection.

(Product data sheet 4.16)



Schlüter®-DILEX-EDP



Stainless steel V2A

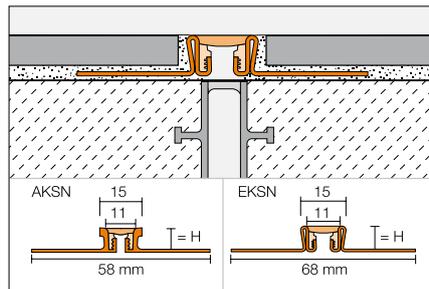
Heights: 8 | 10 | 11 | 12.5 | 14 | 16 | 18.5 | 21 | 25 | 30 mm

Schlüter®-DILEX-KS is a movement profile with edge protection consisting of lateral anchoring legs made of aluminium or stainless steel, which are connected to a replaceable movement zone made of soft rubber.

(Product data sheet 4.8)

Accessories:

Joint insert in the respective colour



Schlüter®-DILEX-EKSN



Stainless steel V2A / V4A

Colours*



Heights: 8 | 10 | 11 | 12.5 | 14 | 16 | 18.5 | 21 | 25 | 30 mm

Trending colours*



Heights: 8 | 10 | 11 | 12.5 | 14 | 16 | 18.5 | 21 | 25 | 30 mm

Schlüter®-DILEX-AKSN



Aluminium

Colours*



Heights: 8 | 10 | 11 | 12.5 | 14 | 16 mm

Trending colours*



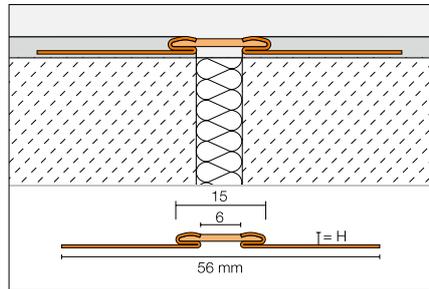
Heights: 8 | 10 | 11 | 12.5 | 14 | 16 mm



Control joints

Schlüter®-DILEX-EKSB is a movement profile with edge protection for floor coatings and other thin floor coverings. It consists of lateral stainless steel anchoring legs that are connected to a fixed elastic insert of soft synthetic material.

(Product data sheet 4.8)



Schlüter®-DILEX-EKSB



Stainless steel V2A

Stainless steel V4A

Colours*

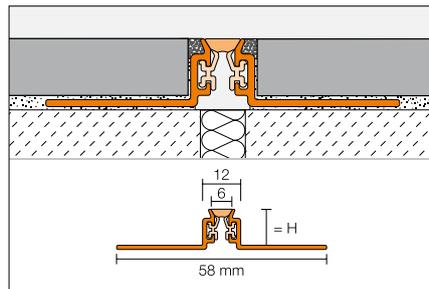


Heights: 2.5 | 4.5 | 6 mm

Heights: 2.5 | 4.5 | 6 mm

Schlüter®-DILEX-AKWS is a movement profile with aluminium side anchoring legs connected to a soft PVC movement zone.

(Product data sheet 4.18)



Schlüter®-DILEX-AKWS



Aluminium

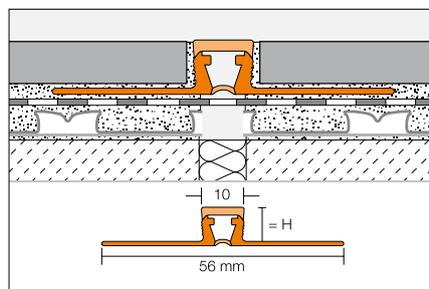
Colours*



Heights: 8 | 9 | 10 | 11 | 12.5 |
14 | 16 | 21 mm

Schlüter®-DILEX-BWB is a movement joint profile with side sections of rigid, recycled plastic. The top movement zone is made of soft CPE and creates the 10 mm wide visual surface.

(Product data sheet 4.6)



Schlüter®-DILEX-BWB



PVC/CPE

Colours*



Heights: 6 | 8 | 10 | 12.5 | 15 | 20 mm

Trending colours*

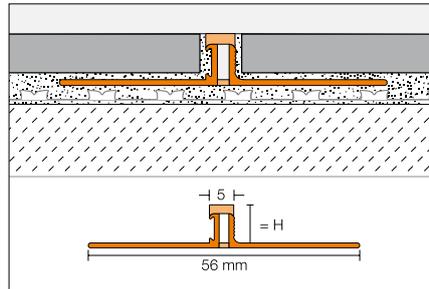


Heights: 6 | 8 | 10 | 12.5 mm

Control joints

Schlüter®-DILEX-BWS is a movement joint profile with side sections of rigid, recycled plastic. The movement zone consists of soft CPE and creates the 5 mm wide visual surface.

(Product data sheet 4.7)



Schlüter®-DILEX-BWS



PVC / CPE

Colours*



Heights: 4.5 | 6 | 8 | 9 | 10 | 11 | 12.5 mm

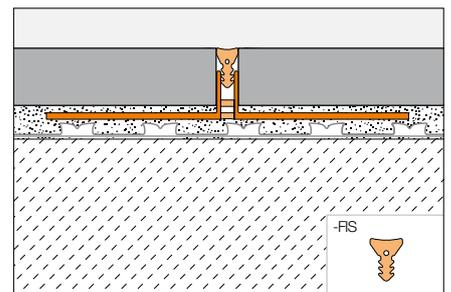
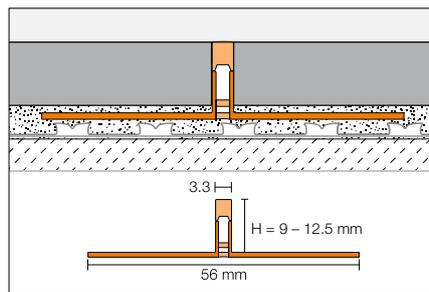
Trending colours*



Heights: 4.5 | 6 | 8 | 9 | 10 | 11 | 12.5 mm

Schlüter®-DILEX-F is a two-part profile system that consists of the prefabricated carrier profile DILEX-FCS and the especially narrow, replaceable DILEX-FIS soft zone insert made of special silicone. This is available in 10 colour variants and corresponds visually to approximately the width of the other mortar joints when laying tiles. The insert is inserted subsequently and, together with the carrier profile, absorbs any compression and traction movements that occur.

(Product data sheet 4.23)



Schlüter®-DILEX-F



Schlüter®-DILEX-FCS: PVC / CPE

Heights: 9 | 10 | 11 | 12.5 mm

Schlüter®-DILEX-FIS: SI

Colours (Schlüter®-DILEX-FIS)*



Trend colours (Schlüter®-DILEX-FIS)*



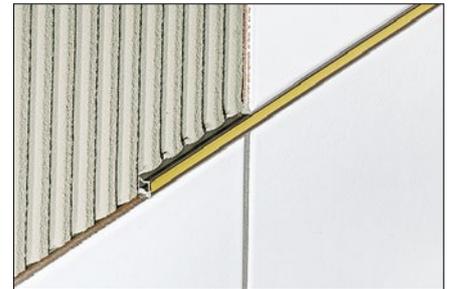
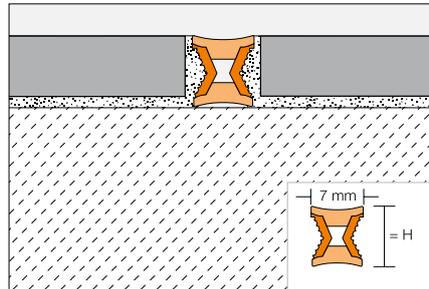
* See foldout for colour key



Intermediate decorative joint

Schlüter®-DILEX-EZ 6 + 9 combine decorative design with a stress-relieving function for tile and natural stone surfaces laid in a thin bed of adhesive.

(Product data sheet 4.1)



Schlüter®-DILEX-EZ 6 + 9

Surfaces

C/CG = chrome inlay / yellow
M/G = brass inlay / grey

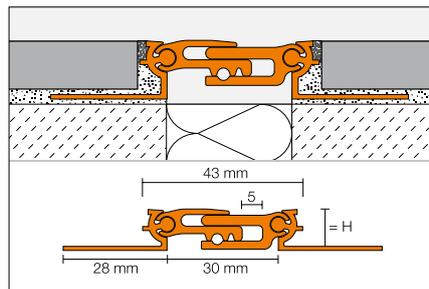
PVC

Heights: 6 | 9 mm

Structural joints

Schlüter®-DILEX-BT is a structural expansion joint made of aluminium with lateral joint connections to a sliding telescopic centre section. This allows for absorption of three-dimensional movement.

(Product data sheet 4.20)



Schlüter®-DILEX-BT



Aluminium

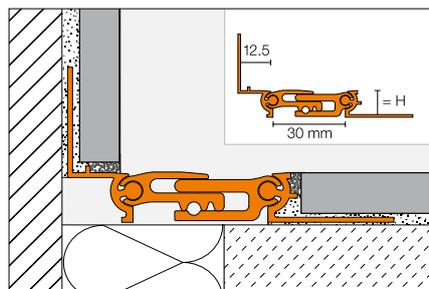
Anodised aluminium

Heights: 8 | 10 | 12.5 | 15 | 17.5 | 20 mm

Heights: 8 | 10 | 12.5 | 15 | 17.5 | 20 mm

Schlüter®-DILEX-BTO is a structural movement and control joint profile made of aluminium for floor to wall transitions. The lateral joint connection of the sliding middle section of the profile is able to absorb three dimensional movement.

(Product data sheet 4.20)



Schlüter®-DILEX-BTO



Aluminium

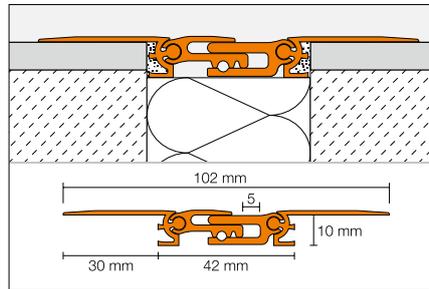
Anodised aluminium

Heights: 8 | 10 | 12.5 | 15 | 17.5 | 20 mm

Heights: 8 | 10 | 12.5 | 15 | 17.5 | 20 mm

Structural joints

Schlüter®-DILEX-BTS is a structural movement and control joint profile made of aluminium for retrofitting in finished coverings. The lateral joint connection of the sliding middle section of the profile is able to absorb three dimensional movement.
(Product data sheet 4.20)



Schlüter®-DILEX-BTS



Aluminium

Anodised aluminium

Height: 10 mm

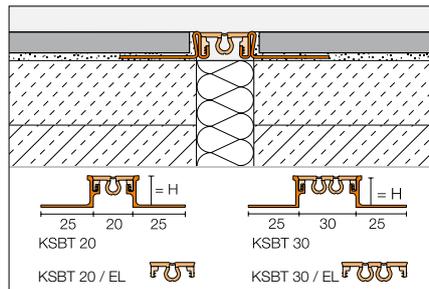
Height: 10 mm

Schlüter®-DILEX-KSBT is a structural movement profile with edge protection, consisting of side anchoring legs of aluminium or stainless steel connected to a 20 mm or 30 mm wide movement zone of soft synthetic rubber.



Accessories:

Joint insert in the respective colour



Schlüter®-DILEX-EKSBT 20 / 30



Stainless steel V2A

Colours*



Heights: 8 | 10 | 11 | 12.5 | 14 | 16 | 18.5 | 21 | 25 | 30 mm

Trending colours*



Heights: 8 | 10 | 11 | 12.5 | 14 | 16 | 18.5 | 21 | 25 | 30 mm

Schlüter®-DILEX-EKSBT 20 / 30



Stainless steel V4A

Colours*



Heights: 8 | 10 | 11 | 12.5 | 14 | 16 mm

Trending colours*



Heights: 8 | 10 | 11 | 12.5 | 14 | 16 mm

Schlüter®-DILEX-AKSBT 20 / 30



Aluminium

Colours*



Heights: 8 | 10 | 11 | 12.5 | 14 mm

Trending colours*



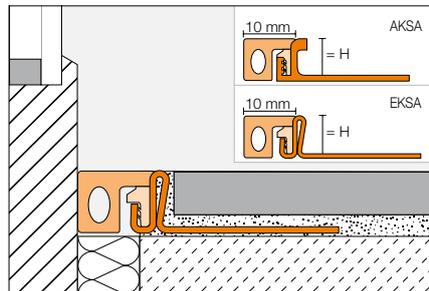
Heights: 8 | 10 | 11 | 12.5 | 14 mm



Perimeter and connection joints

Schlüter®-DILEX-KSA is a connection profile with edge protection. The profile's anchoring legs, made of aluminium or stainless steel, are connected to a replaceable movement zone made of soft PVC. The profile is used for creating transitions between coverings and fixed structures such as window frames.

(Product data sheet 4.8)



Schlüter®-DILEX-EKSA



Stainless steel V2A

Stainless steel V4A

Colours*



Heights: 8 | 10 | 11 | 12.5 | 14 | 16 | 18.5 | 21 | 25 | 30 mm

Heights: 8 | 10 | 11 | 12.5 | 14 | 16 mm

Schlüter®-DILEX-AKSA



Aluminium

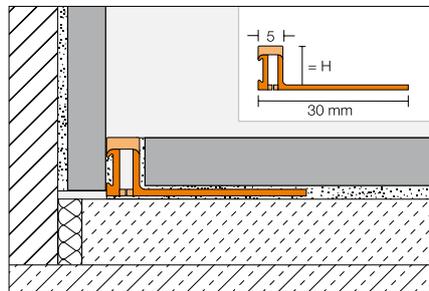
Colours*



Heights: 8 | 10 | 11 | 12.5 | 14 mm

Schlüter®-DILEX-BWA provides a flexible connection between tiled surfaces and existing coverings or structures, such as door and window frames.

(Product data sheet 4.9)



Schlüter®-DILEX-BWA



PVC

Colours*



Heights: 4.5 | 6 | 8 | 10 | 12.5 mm

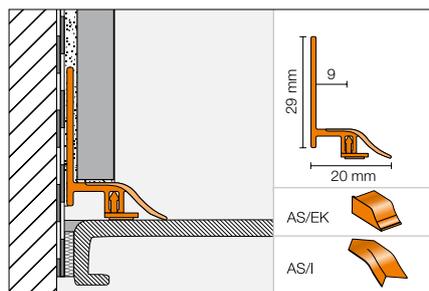
Trending colours*



Heights: 4.5 | 6 | 8 | 10 | 12.5 mm

Schlüter®-DILEX-AS is a connection profile for creating flexible joints to fixtures such as shower trays, baths, door and window frames.

Accessories: Internal corners and end caps



Schlüter®-DILEX-AS

PVC

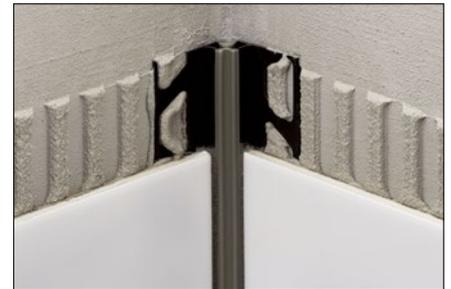
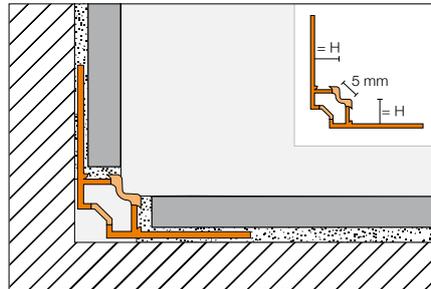
Colours*



Perimeter and corner joints

Schlüter®-DILEX-EF is a flexible, single piece corner profile of rigid and soft PVC for internal wall corners or floor to wall transitions, which can be used for non-floating covering assemblies.

(Product data sheet 4.13)



Schlüter®-DILEX-EF

Colours*

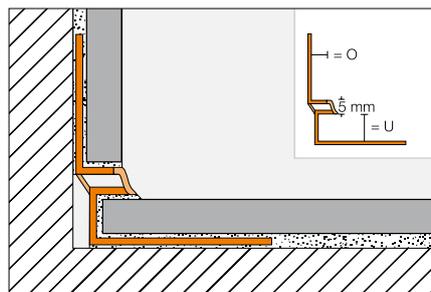


PVC / CPE

Heights: 8 | 10 | 12.5 | 15 mm

Schlüter®-DILEX-EKE is a flexible, single piece corner profile of rigid or soft PVC for internal wall corners or for floor to wall transitions. It features an integrated joint chamber and is suitable for use with non-floating covering assemblies.

(Product data sheet 4.13)



Schlüter®-DILEX-EKE

Colours*

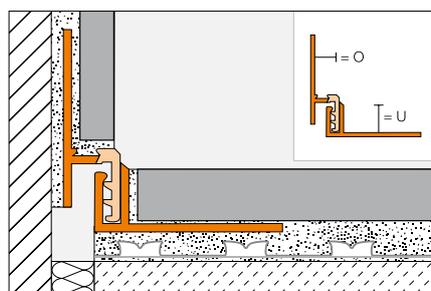


PVC / CPE

Heights: U = 8 / O = 7 mm
U = 9 / O = 8 mm
U = 11 / O = 10 mm
U = 13 / O = 12 mm
U = 15 / O = 14 mm

Schlüter®-DILEX-RF is a two-part corner profile made of recycled, rigid PVC and soft CPE for durable, flexible and maintenance free perimeter joints between floors and walls.

(Product data sheet 4.14)



Schlüter®-DILEX-RF

Colours*



PVC / CPE

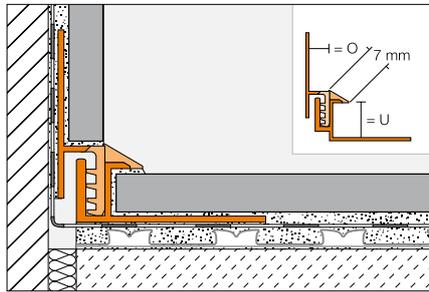
Heights: U = 10 | 12.5 | 15 | 18 | 22 mm
O = 8 | 10 | 12.5 | 15 | 18 mm

* See foldout for colour key



Perimeter and corner joints

Schlüter®-DILEX-EK is a two-part profile made of rigid/ soft plastic with a tongue and groove connection and an integrated joint chamber for creating durable, flexible and maintenance free perimeter joints between floors and walls or floors and skirtings.
(Product data sheet 4.14)



Schlüter®-DILEX-EK

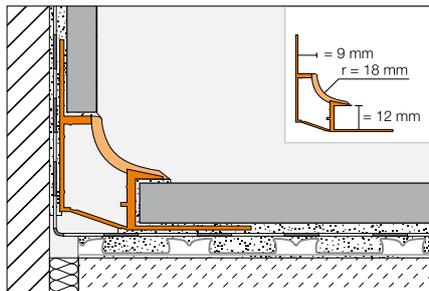
Colours*



PVC / CPE

Heights: U = 8 | 11 | 15 mm
O = 7 | 10 | 14 mm

Schlüter®-DILEX-HK is a cove shaped profile of rigid recycled PVC with a cove of soft plastic and an integrated joint chamber for wall to floor joints, which conforms to special hygienic and cleaning requirements such as those of the food processing industry or industrial kitchens.
(Product data sheet 4.11)



Accessories: Internal and external corners, end caps, connectors

Schlüter®-DILEX-HK

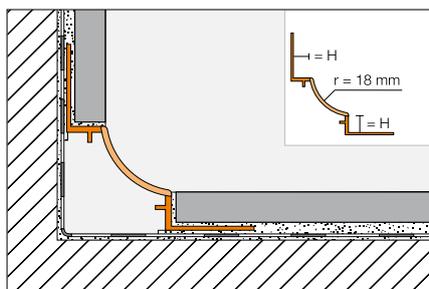
Colours*



PVC / CPE

Heights: U = 12 mm
O = 9 mm

Schlüter®-DILEX-HKW is a cove shaped profile for internal wall corners and wall to floor joints in applications where only slight movement occurs.
(Product data sheet 4.12)



Accessories: Internal and external corners, end caps

Schlüter®-DILEX-HKW

Colours*



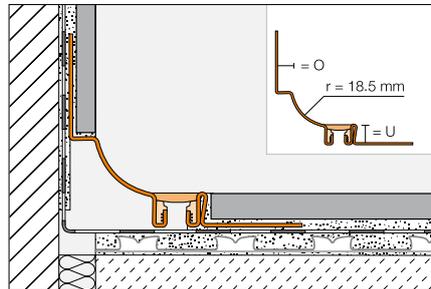
PVC

Heights: 7 | 9 | 11 mm

Perimeter and corner joints

Schlüter®-DILEX-HKS is a cove shaped, stainless steel profile with a maintenance free movement zone for floor to wall connections in ceramic tile coverings.
(Product data sheet 4.15)

Accessories: Internal and external corners, connectors



Schlüter®-DILEX-HKS

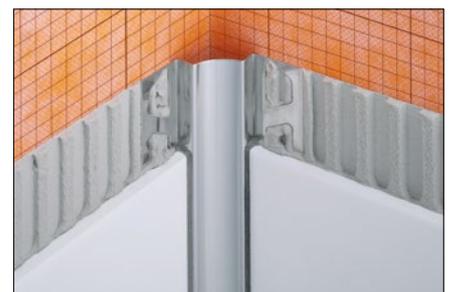
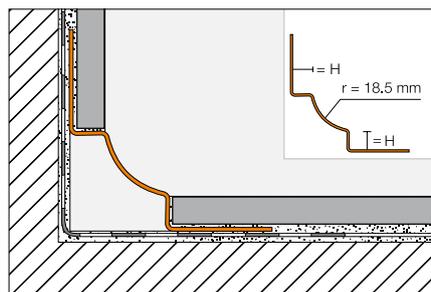
Stainless steel V2A / V4A

Colours*



Heights: U = 8 | 10 | 12.5 | 14 | 16 | 18 |
21 | 25 | 30 mm
O = 7 | 9 | 11 mm

Schlüter®-DILEX-EHK is a stainless steel cove shaped profile for internal wall corners or for floor to wall transitions with high hygienic requirements.
(Product data sheet 4.15)



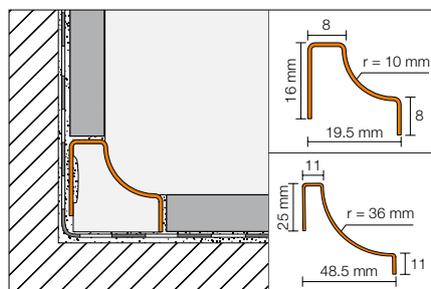
Schlüter®-DILEX-EHK

Stainless steel V2A
Brushed stainless steel V2A
Stainless steel V4A

Heights: 7 | 9 | 11 mm
Heights: 7 | 9 | 11 mm
Heights: 7 | 9 | 11 | 16 mm

Schlüter®-DILEX-HKU is a cove shaped profile entirely made of stainless steel for internal wall corners and floor wall transitions with stringent hygiene requirements. Due to its inner anchoring leg, the profile can be variably used for different tile thicknesses.
(Product data sheet 4.22)

Accessories: Internal and external corners, connectors, end caps



Schlüter®-DILEX-HKU

Stainless steel V2A
Brushed stainless steel V2A
Stainless steel V4A

Heights: 8 | 11 mm
Height: 8 mm
Height: 8 mm

* See foldout for colour key

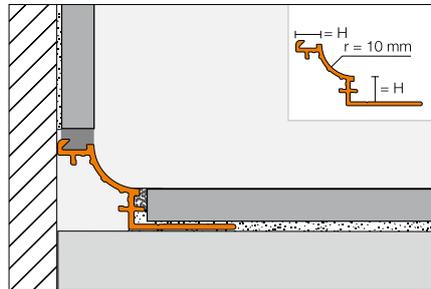


Connection profiles

Schlüter®-DILEX-AHK is a cove-shaped profile made of aluminium with a special TRENDLINE textured coating. It is suitable for interior wall corners, kitchen countertops or shelving with a ceramic tile covering. The profile can be combined with Schlüter-RONDEC, -JOLLY or -QUADEC profiles in matching textured surfaces.

(Product data sheet 4.21)

Accessories: Internal and external corners, connectors, end caps



Schlüter®-DILEX-AHK

Finishes*

AE, ACG, ACGB, TSI, TSSG, TSDA

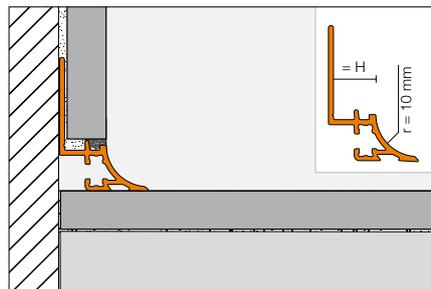
Aluminium

Heights: 8 | 10 | 12.5 mm

Schlüter®-DILEX-AHKA is a cove shaped aluminium profile for internal wall corners, kitchen worktops or surfaces with ceramic coverings. It is available in a variety of anodised finishes and can be connected to existing coverings on one side.

(Product data sheet 4.21)

Accessories: Internal and external corners, end caps



Schlüter®-DILEX-AHKA

Finishes*

AE, ACGB

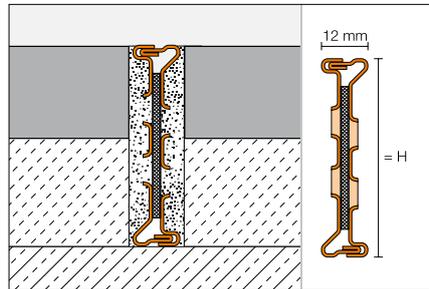
Aluminium

Heights: 8 | 10 | 12.5 | 15 mm

Screed to surface joint

Schlüter®-DILEX-EMP is a stainless steel movement profile for screeds. The tongue and groove connections accommodate horizontal movement.

(Product data sheet 4.17)



Schlüter®-DILEX-EMP

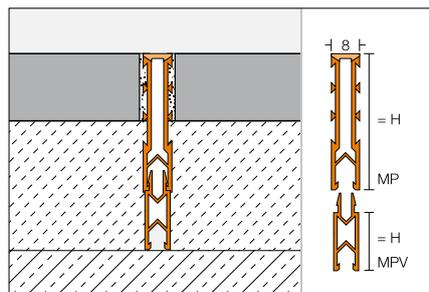


Stainless steel V2A

Heights: 35 | 50 | 65 mm

Schlüter®-DILEX-MP/-MP/V is an expansion joint profile with undercut side walls made of rigid, recycled PVC and a soft CPE expansion zone, complete with extension profiles for use in the laying of screeds. The profile is able to absorb compression stresses, but not tensile stresses.

(Product data sheet 4.3)



Schlüter®-DILEX-MP



PVC / CPE

Extensions:

Colours*

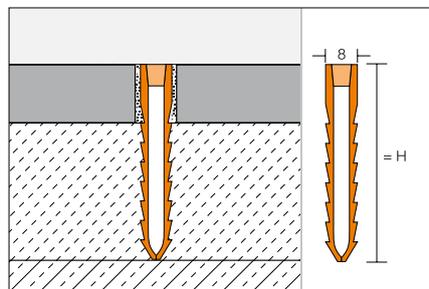


Height: DILEX-MP 35 mm

Heights: DILEX-MP/V 15 | 25 mm

Schlüter®-DILEX-MOP is an expansion joint profile with serrated sidewalls made of rigid, recycled PVC and a grey, soft PVC expansion zone for use in screed applications.

(Product data sheet 4.4)



Schlüter®-DILEX-MOP



PVC

Colours*

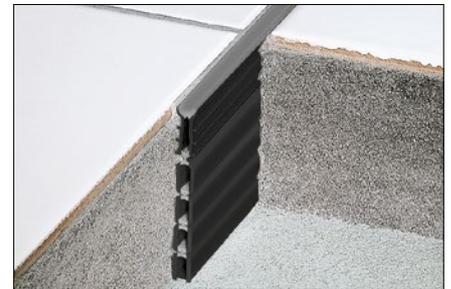
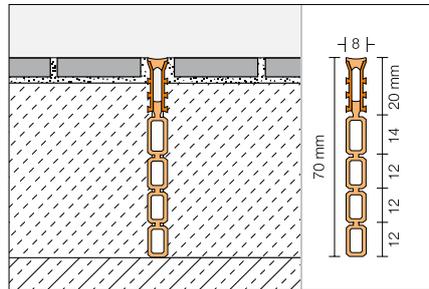


Heights: 35 | 50 | 65 mm



Screed to surface joint

Schlüter®-DILEX-EZ 70 is a stress relieving and decorative profile with undercut side walls made of rigid PVC and a soft PVC expansion zone for use in screeds. The extension segments can be removed to adjust the profile height to the height of the assembly.
(Product data sheet 4.2)



Schlüter®-DILEX-EZ 70



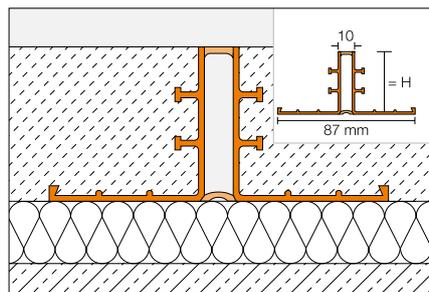
PVC

Colours*



Height: 70 mm

Schlüter®-DILEX-EP is a movement joint profile for application in floating or bonded screeds. The side sections consist of rigid, recycled plastic connected on the top and bottom with soft, grey CPE movement zones.
(Product data sheet 4.5)



Schlüter®-DILEX-EP

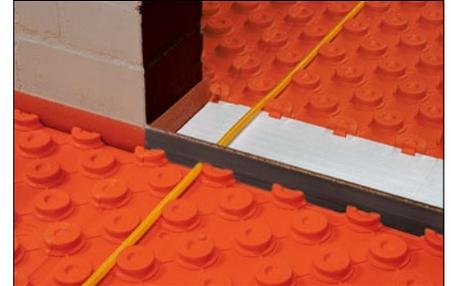
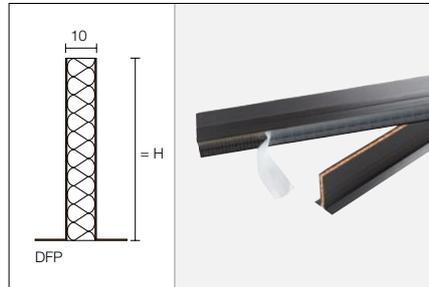
PVC / CPE

Heights: 30 | 40 | 50 mm

Expansion joints for screed and subfloor assemblies

Schlüter®-DILEX-DFP is a movement joint profile to be installed at door areas or used to divide screed areas.

(Product data sheet 9.1)

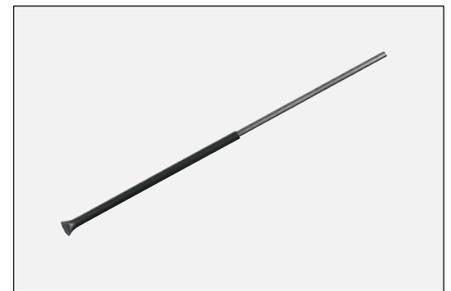
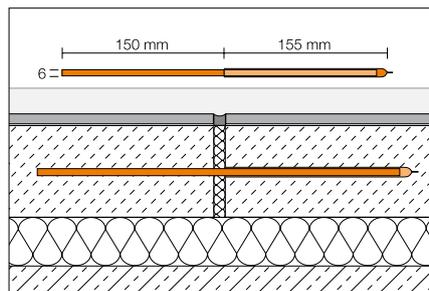


Schlüter®-DILEX-DFP

PE foam

Heights: 60 | 80 | 100 mm Length: 1.0 m
Height: 100 mm Length: 2.5 m

Schlüter®-DILEX-HVD a dowel insert for installation in the screed, helps prevent height displacement between two screed sections in the area of a movement joint.



Schlüter®-DILEX-HVD

Steel

Height: 6 mm

Learn more online

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schluter.co.uk



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PROFILE OF INNOVATION

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