

Schlüter®-DILEX-HKU

Decorative cove shaped profile
made of stainless steel

4.22

Product data sheet

Application and Function

Schlüter-DILEX-HKU is a cove-shaped stainless steel profile for internal wall corners of ceramic and natural stone coverings. In bonded assemblies, Schlüter-DILEX-HKU can also be used for floor to wall transitions. Due to its inner anchoring leg, the profile can be variably adjusted to different tile thicknesses from 6 mm.

The profile HKU 10 can be used for covering thicknesses from 6 mm, while HKU 36 should be used from thicknesses of 10 mm. The cove-shaped DILEX-HKU is available in two different versions with a radius of 10 or 36 mm.

Schlüter-DILEX-HKU is particularly suited for areas with special hygienic demands, in which additional cleanliness must be combined with an appealing visual appearance, such as hospitals, commercial kitchens, clean rooms, washrooms and food industry facilities.

Matching prefabricated parts such as connectors and end caps are available to create elegant connections to the profiles at internal and external corners.

Material

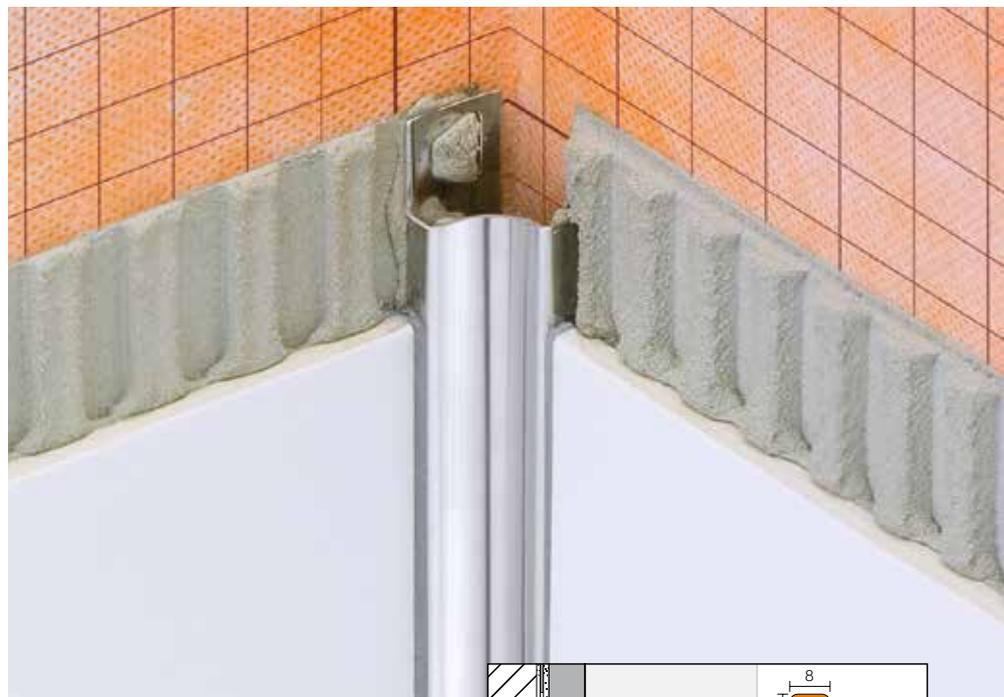
The profile is available in the following material versions:

E = Stainless steel

V2A, material no. 1.4301 = AISI 304

V4A material no. 1.4404 = AISI 316L

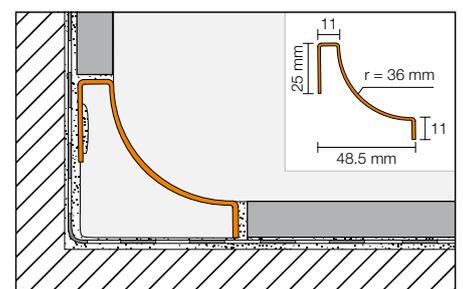
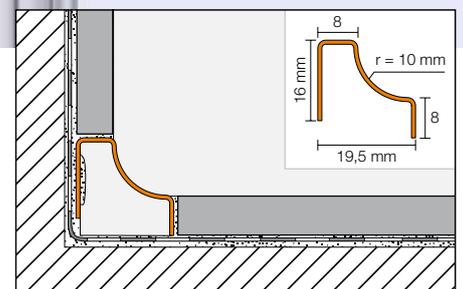
EB = Brushed stainless steel (V2A only)

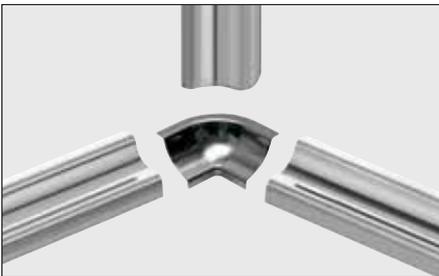


Material properties and areas of application

In special cases, the suitability of the profile must be verified based on the anticipated chemical and mechanical stresses. The information provided below is intended as a general guideline.

The profile is made of stainless steel material no. V2A (material no. 1.4301 = AISI 304) or V4A (material no. 1.4404 = AISI 316L), which is produced in a roll forming process from metal strips and features trapezoid perforations in the area of the anchoring legs. The visible surfaces of the profile are covered with a protective foil. The profile is highly durable and especially suited for application areas that must be resistant to chemicals and acids, such as the food





industry, breweries, dairies, industrial kitchens, and hospitals. It is also suitable for use in residential settings.

Depending on the anticipated stresses, customers can choose between the alloy materials 1.4301 or 1.4404. The use of 1.4404 is recommended if consistent chemical exposure is expected, for example in the case of swimming pools (fresh water). Even stainless steel is not resistant to all chemical stresses, and may be affected by, e.g., hydrochloric and hydrofluoric acid or certain chloride and brine concentrations. In certain cases, this also applies to seawater pools. Special anticipated stresses should therefore be verified in advance.

Installation

1. Apply tile adhesive to the area where profile is to be installed, using a notched trowel.
2. Press the trapezoid perforated anchoring leg of the profile firmly into the adhesive and align it. In case of thicker coverings, place suitable material underneath the anchoring leg.
3. Adhere the corresponding pre-fabricated parts over the profile joints and internal and external corners, using Schlüter-KERDI-FIX (see data sheet 8.3). Remove all surface substances, lubricants etc. that may weaken the bond from the adhesive areas prior to applying the sealant. The pre-fabricated parts should overlap the adjoining profile ends by at least 10 mm. An interior Styrofoam connector is available for Schlüter-DILEX-HKU 36 to optimise alignment and stability during the installation.
4. The tiles adjoining the profile must be solidly embedded into the setting material and aligned to be flush with the profile. The minimum tile thickness for DILEX-HKU 10 is 6 mm, and 10 mm for DILEX-HKU 36.
5. Leave a space of approx. 2 mm between the tile and the profile for subsequent grouting.
6. Then remove the protective foil.

Notes

The profile requires no special maintenance or care. It can be cleaned along with the covering, using suitable detergents. The visible surfaces of the profile can be polished with commercial chrome polishing products. Stainless steel surfaces exposed to the environment or aggressive substances should be cleaned periodically using a mild household cleaner. Regular cleaning not only maintains the neat appearance of stainless steel, but also reduces the risk of corrosion.

All cleaning agents must be free of hydrochloric and hydrofluoric acid. Do not use abrasive cleaning agents on the sensitive surfaces. 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 and grout residue.

We recommend the use of the stainless steel cleaning polish Schlüter-CLEAN-CP.



Text template for tenders:

_____linear metres of Schlüter-DILEX-HKU as a cove-shaped stainless steel profile for internal wall corners with a trapezoid perforated anchoring leg that can be variably adjusted to covering thicknesses from 6 mm, to be supplied and professionally installed as part of the tile installation.

The installation instructions of the manufacturer must be observed.

Material:

- E = Stainless steel 1.4301 (V2A)
- EB = Brushed stainless steel (V2A)
- EV4A = Stainless steel 1.4404 (V4A)

Accessories such as external corners, internal corners, end caps, and connectors

- are to be included in the unit prices.
- are to be charged separately.

Art.-Nr.: _____

Colour: _____

Material: _____/m

Labour: _____/m

Total price: _____/m

Text template for tenders:

___linear meters of Schlüter-DILEX-HKU 36 as a cove-shaped stainless steel profile for internal wall corners with interior trapezoid perforated anchoring legs that can be variably adjusted to covering thicknesses from 10 mm, to be supplied and professionally installed as part of the tile installation, while observing the manufacturer's instructions.

Material:

- E = Stainless steel 1.4301 (V2A)

Accessories such as exterior corners, interior corners, end caps, and connectors are to be

- included in the unit prices.
- invoiced separately.

Art.-Nr.: _____

Material: _____/m

Labour: _____/m

Total price: _____/m

Product Overview:

Schlüter®-DILEX-HKU 10

E = stainless steel 1.4301 (V2A),

EB = brushed stainless steel (V2A),

EV4A = stainless steel 1.4404 (V4A)

Supplied length: 2.50 m

Material	V2A	V4A
E	•	•
EB	•	

Accessories

E = stainless steel 1.4301 (V2A),

EB = brushed stainless steel (V2A),

EV4A = stainless steel 1.4404 (V4A)

Material	EB	V4A
External corner 90°	•	•
External corner 135°	•	•
Internal corner 90°	•	•
Internal corner 135°	•	•
Connector	•	•
End caps	•	•



EQ / HKUR 10



E135 / HKUR 10



I135 / HKUR 3 R 10

Schlüter®-DILEX-HKU 36

E = stainless steel 1.4301 (V2A) Supplied length: 2.50 m

Material	V2A
E	•

Accessories

E = stainless steel 1.4301 (V2A)

Material	E
External corner 90°	•
Internal corner 90°	•
Connector	•
Interior connectors	•
End caps (PVC)	•



E / HKUR 36



I / HKU 3 R 36



V / HKUR 36



VI / HKUR 36



EK / HKUR 36

