

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.

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

Matching prefabricated parts 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

Material properties and areas of application

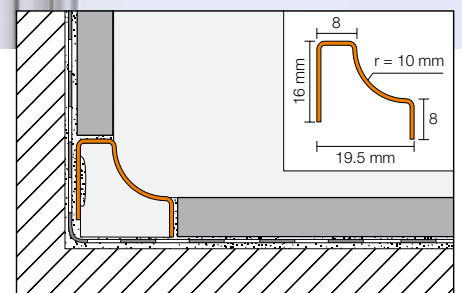
In special cases, the suitability of the profile must be verified based on the anticipated chemical and mechanical stresses. The information provided below is intended as a general guideline.

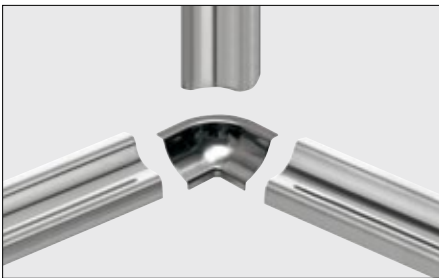
The profile is made of stainless steel material no. V2A (material no. 1.4301 = AISI 304)



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.

The use of V4A is recommended if consistent 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 hydrochloric and hydrofluoric acid or certain





chloride and brine concentrations. Special anticipated stresses should therefore be verified in advance.

Depending on the anticipated chemical stresses, customers can choose between the alloys of material no. 1.4301 (V2A) or material no. 1.4404 (V4A).

Installation

1. Apply tile adhesive to the area where profile is to be installed, using a notched trowel.
2. Press the perforated anchoring leg of the profile securely into the setting material and align it.
In case of thicker coverings, place suitable material underneath the anchoring leg to match the selected covering thickness.
3. Place the corresponding prefabricated parts over profile joints and internal and external corners, using a permanently elastic sealant. Remove all surface substances, lubricants etc. that may weaken the bond from the adhesive areas prior to applying the sealant. The prefabricated parts should overlap the adjoining profile ends by at least 10 mm.
4. The tiles adjoining the profile (minimum thickness = 6 mm) must be solidly embedded into the setting material and aligned to be flush with the profile.
5. Leave a space of approx. 2 mm between the tile and the profile for subsequent grouting.

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. The stainless steel cleaning polish Schlüter®-CLEAN-CP may be used if necessary.

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.

Text template for tenders:

_____linear metres of Schlüter®- DILEX-HKU as a cove-shaped stainless steel profile for inside 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
- EB = Brushed stainless steel
- EV4A = Stainless steel 1.4404 (V4A)

Accessories such as internal and external corners and connectors

■ are to be included in the unit prices.

■ are to be charged separately.

Colour: _____

Material: _____/m

Labour: _____/m

Total price: _____/m

Product Overview:

Schlüter®-DILEX-HKU

E = stainless steel / EB = brushed stainless steel / EV4A = stainless steel 1.4404 (V4A)

Supplied length: 2.50 m

Material	V2A	V4A
E	•	•
EB	•	

Accessories

E = stainless steel / EB = brushed stainless steel

Supplied length: 2.50 m

Material	E	EB
External corner 90°	•	•
External corner 135°	•	•
Internal corner 90°	•	•
Internal corner 135°	•	•
Connector	•	•

