

Schlüter®-RENO-U/ -RAMP/ -RAMP-K

Floor covering profiles
for stepless transition

1.2

Product data sheet

Application and Function

Schlüter®-RENO-U / -RAMP are profiles for a stepless transition between floor coverings of different heights, for example for the transition from tiles to carpeting. In addition, it protects the edge of adjacent coverings. The integrated joint spacer forms a defined joint cavity with the tile.

Schlüter®-RENO-U has also proved to be reliable in areas subjected to intensive point loads (garages, loading docks, shopping centres etc). Depending on the profile height, the sloping visible surface of Schlüter®-RENO-U forms an angle of approx. 17° to 25° and ends with a 4 mm stop edge (except for height H = 35 mm). This prevents trip edges between coverings of different heights.

Schlüter®-RENO-RAMP is the preferred solution for areas exposed to heavy vehicular traffic. Thanks to the flat incline—approx. 5° to 10° depending on the profile height—and the shallow edge, the profile is well suited for forklift or lift truck traffic. Schlüter®-RENO-RAMP is also suited to create stepless transitions in areas that must comply with disabled access requirements.

Schlüter®-RENO-RAMP-K is a profile without anchoring leg with a slope of approx. 8°, which can be adhered between the covering material and the substrate for subsequent height adjustment.



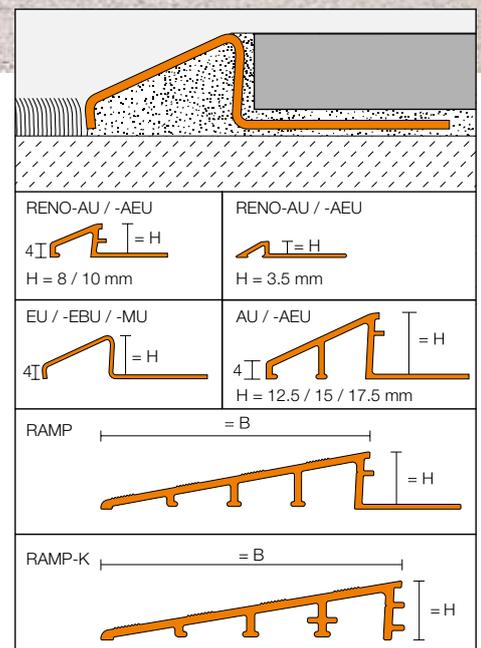
Material

Schlüter®-RENO-U is available in the following material versions:

- E = stainless steel, 1.4301 (V2A)
- EB = brushed stainless steel
- A = aluminum
- M = brass
- AE = anodised aluminium

Schlüter®-RENO-RAMP and -RAMP-K are available in the following finishes:

- AE = anodised aluminium





Material properties and areas of application

In special cases, the suitability of a proposed type of profile must be verified, based on anticipated chemical, mechanical, and/or other stresses.

Schlüter®-RENO-MU are profiles made of brass. Minor manufacturing flaws are unavoidable on their untreated surfaces. They are suitable for absorbing high mechanical stresses. Brass is resistant to virtually all chemicals used in conjunction with tile coverings.

When exposed to air, an oxidised layer will form on the exposed visible area of the brass profiles, which leads to a darkening of the finish. This is a natural occurrence with brass and should be expected, domestic brass cleaners can be used to bring back to a shiny brass finish. Exposure to moisture or aggressive substances may result in heavy oxidation and staining at the profile surface.



Schlüter®-RENO-AU

Schlüter®-RENO-AU are profiles made of aluminium. Minor manufacturing flaws are also unavoidable on their untreated surfaces. The suitability of the profiles should be reviewed based on the anticipated chemical stresses. Aluminium is sensitive to alkaline. Cementitious materials, in conjunction with moisture, become alkaline, which may result in corrosion depending on the concentration and length of exposure (aluminium hydroxide formation). Any adhesive, mortar or grout must therefore be removed from visual areas immediately. The profile must be solidly embedded in the setting material to prevent alkaline water from accumulating in small cavities.

In case of more demanding visual requirements, Schlüter® -RENO-AEU or -EBU with post-treated, high-quality finishes are available.



Schlüter®-RENO-RAMP

Schlüter®-RENO-AEU/-RAMP made of anodised aluminium feature an anodised finish that retains a uniform appearance during normal use. The finish may be damaged by aggressive substances or abrasive stresses. Since the effect of tile adhesive, mortar or grout may affect the finish, all contaminations must be removed immediately. Otherwise, the same description as for aluminium applies.



Schlüter®-RENO-RAMP-K

Schlüter®-RENO-EU/ -EBU are made of stainless steel 1.4301 (V2A) and are particularly well suited for applications that, in

addition to high mechanical stresses, require resistance to chemicals such as acidic or alkaline cleaning agents.

Even stainless steel is not resistant to all chemical stresses.

Substances such as hydrochloric or hydrofluoric acid or certain chloride and brine concentrations may cause damage. In certain cases, that also applies to seawater pools. Special anticipated stresses should therefore be verified in advance.

Installation

1. Select Schlüter®-RENO-U/-RAMP according to the tile thickness.
2. Fill the hollow space on the underside of the profile with tile adhesive.
3. Apply tile adhesive to the area where the tile covering will end, using a notched trowel.
4. Press the trapezoid-perforated anchoring leg of Schlüter®-RENO-U/-RAMP firmly into the adhesive and align it.
5. Trowel tile adhesive over the trapezoid perforated anchoring leg to ensure full coverage.
6. Firmly press the adjoining tiles into place and align them in such a way that the upper profile edge is flush with the tile (the profile should not protrude over the surface of the covering; preferably, it should be approx. 1 mm below the top level of the covering). The tiles must be fully embedded in the area of the profile.
7. The tile is set to the lateral joint spacer, which creates an evenly spaced joint of 1.5 mm.
In the case of stainless steel or brass profiles, a joint of approx. 1.5 mm is recommended.
8. Completely fill the space between the tile and the profile with grout.

Installation of Schlüter®-RENO-RAMP-K:

Always check the substrates on which Schlüter®-RENO-RAMP-K is to be installed to make sure they are level, load-bearing, clean and compatible with the materials to be used. Remove all surface components that may weaken the bond.

Apply a suitable tile adhesive or epoxy resin mortar on the substrate, fill the underside of the profile with adhesive and then fully embed the profile.



Maintenance

The profiles require no special maintenance or care. Oxidation films on brass or aluminium may be removed with a common polishing agent; however, they do reoccur. Damaged anodised finishes may only be repaired by recoating.

Stainless steel surfaces exposed to the environment or aggressive substances should be cleaned periodically using a mild household cleaner. Regular cleaning maintains the neat appearance of stainless steel and reduces the risk of corrosion. All cleaning agents must be free of hydrochloric and hydrofluoric acid.

Avoid the 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 mortar residue.

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

Product Overview

Schlüter®-RENO-U

E = stainless steel, EB = brushed stainless steel, A = aluminum, M = brass, AE = anodised aluminium

Supplied length: 2.50 m

Material	E	EB	A	M	AE
H = 3.5 mm			•		•
H = 8 mm	•	•	•	•	•
H = 10 mm	•	•	•	•	•
H = 11 mm	•	•			
H = 12.5 mm	•	•	•	•	•
H = 15 mm	•	•	•	•	•
H = 17.5 mm	•	•	•		•
H = 20 mm	•	•			



Schlüter®-RENO-EU/-EBU

Supplied length: 1.00 m

Material	E	EB	A	M	AE
H = 8 mm	•	•	•	•	•
H = 10 mm	•	•	•	•	•
H = 11 mm	•	•			
H = 12.5 mm	•	•	•	•	•



Schlüter®-RENO-AU

Schlüter®-RENO-RAMP

AE = anodised aluminium

Supplied length: 2.50 m

Material	AE
H = 6 mm / B = 50 mm	•
H = 10 mm / B = 65 mm	•
H = 12.5 mm / B = 65 mm	•
H = 12.5 mm / B = 90 mm	•
H = 15 mm / B = 90 mm	•
H = 20 mm / B = 90 mm	•

Schlüter®-RENO-RAMP-K

AE = anodised aluminium

Supplied length: 2.50 m

Material	AE
H = 12.5 mm / B = 65 mm	•

**Text template for tenders:**

Supply

_____ per metre Schlüter®-RENO-U as transition profile made of

- E = stainless steel V2A
- EB = brushed stainless steel
- A = aluminum
- M = brass
- AE = anodised aluminium

with a trapezoid perforated anchoring leg and approximately 17° – 25° sloped surface, ending with a 4 mm high vertical edge as a stepless transition from tile to any adjacent covering and install according to manufacturer's specifications.

- Installation in individual lengths of _____m.
- Installation in lengths, as required.

Profile height: _____mm

Art.-No.: _____

Material: _____.../m

Labour: _____.../m

Total: _____.../m

Text template for tenders:

Supply

_____ per metre Schlüter®-RENO-RAMP as transition profile made of

■ AE = anodised aluminium
with trapezoid perforated anchoring legs, a ribbed, sloped (5° – 10°) transition area and a shallow vertical edge to form a stepless transition from a tile covering to an adjoining surface, to be supplied and professionally installed while observing the manufacturer's instructions.

- Installation in individual lengths of _____m.
- Installation in lengths, as required.

Profile height: _____mm

Art.-No.: _____

Material: _____.../m

Labour: _____.../m

Total: _____.../m

Text template for tenders:

_____linear meters of Schlüter®-RENO-RAMP-K as a transition profile made of

■ AE = anodised aluminium
without anchoring leg, featuring a grooved transition area sloping at an angle of approx. 8° that finishes with a shallow edge for stepless transition, for subsequent height adjustment between the covering material and the substrate, to be supplied and professionally installed while observing the manufacturer's instructions.

- Installation in individual lengths of _____m.
- Installation in lengths, as required.

Profile height: _____mm

Art.-No.: _____

Material: _____.../m

Labour: _____.../m

Total: _____.../m