Schlüter® Systems

PROFILE OF INNOVATION

Schlüter®-RENO-U / -RAMP

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). The profile's visible surface slopes at approximately 25° to a 4 mm high vertical edge. This prevents trip edges between coverings of different heights.
Schlüter®-RENO-RAMP is the preferred solution for areas exposed to heavy vehicular traffic. The shallow angle (approximately 10°) of the sloped transition edge ensures the profile is easy to use with forklifts and platform trucks. Schlüter®-RENO-RAMP is also suited to create stepless transitions in areas that must comply with disabled access requirements.

Material

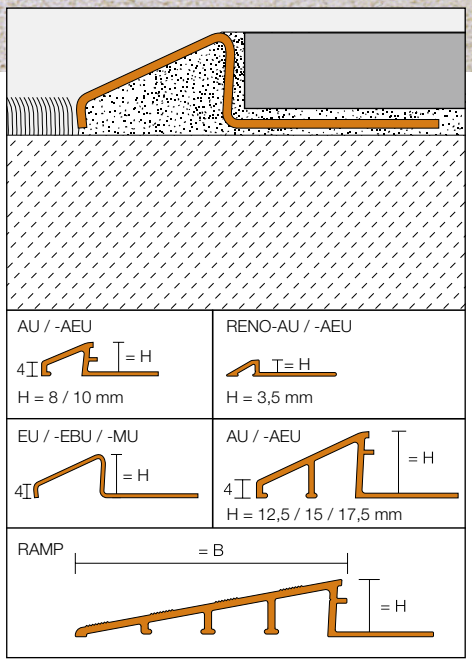
Schlüter®-RENO-U is available in the following material versions:
E = stainless steel, 1.4301 (V2A)
EB = Brushed stainless steel
A = Aluminum
M = Brass
AE = Anodised aluminium

Schlüter®-RENO-RAMP is available in the following material version:
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, in solid brass, sustains high mechanical point loads. Brass is resistant to most chemicals used in tiled environments. Brass that is exposed to air will oxidise, resulting in a natural patina. If exposed to moisture or aggressive substances, heavy oxidation and spotting may occur.



Schlüter®-RENO-EU/-EBU are made of stainless steel 1.4301 (V2A) and are particularly well suited for applications that, in addition to heavy mechanical stresses, require resistance to chemicals such as acidic or alkaline detergents.
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. Consideration of chemical stresses should therefore be verified in advance.

Schlüter®-RENO-AU, in aluminium, must be tested to verify its suitability if chemical stresses are anticipated. Cementitious materials, in conjunction with moisture, become alkaline. Since aluminium is sensitive to alkaline substances, exposure to the alkali (depending on the concentration and time of exposure) may result in corrosion (aluminium hydroxide formation). Therefore, it is important to remove mortar, adhesive or grout residue from visible surfaces. In addition, ensure that the profile is solidly embedded in the setting material and that all cavities are filled to prevent the collection of alkaline water.
Schlüter®-RENO-AEU/-RAMP profiles of anodised aluminum have an anodised finish that retains a uniform appearance during normal use. Visible surfaces should be protected against abrasion. Aluminum is sensitive to alkaline media. Cementitious materials, in conjunction with moisture, become alkaline. Since aluminum is sensitive to alkaline substances, exposure to the alkali (depending on the concentration and duration of exposure) may result in corrosion (aluminum hydroxide formation).
For this reason, remove mortar or grouting material immediately from all visible areas and do not cover freshly installed coverings with foil. The profiles must be solidly embedded in the setting material to prevent water from accumulating in small cavities.

Installation

1. Select Schlüter®-RENO-U / -RAMP according to tile thickness.
2. Fill the cavity beneath the sloped section of the profile with tile adhesive.
3. Trowel tile adhesive over the area that forms the perimeter of the tiled covering.
4. Press the perforated anchoring leg of the Schlüter®-RENO-U / -RAMP into the tile adhesive and align.
5. Trowel additional adhesive over the perforated anchoring leg to ensure full coverage.
6. Solidly embed the tiles so that the tiled surface is flush with the top of the profile (the profile should not be higher than the tiled surface, but up to approximately 1 mm lower). The tiles must be fully embedded in the area of the profile.
7. The tile is set to the lateral joint spacer, which ensures a uniform joint of 1.5 mm. With the stainless steel profiles, leave a space of approximately 1.5 mm.
8. Fill the joint completely with grout.

Maintenance

Schlüter®-RENO-U/-RAMP 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 contact with other metals such as steel, since this can cause rust. This also includes tools such as trowels or steel wool, i.e. tools used to remove 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	•	•	•		•

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-EU/-EBU

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 = 15 mm / B = 90 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 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 (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

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