

Schlüter®-SCHIENE-STEP

Wall corners and finishing profiles
or decorative edge protection

2.15

Product data sheet

Application and function

Schlüter-SCHIENE-STEP is a high-quality decorative edge protection profile for tile coverings. The profile, which is available in different heights, has variable applications and is particularly suitable for kitchen countertops as well as shelving and stairs with ceramic tile coverings.

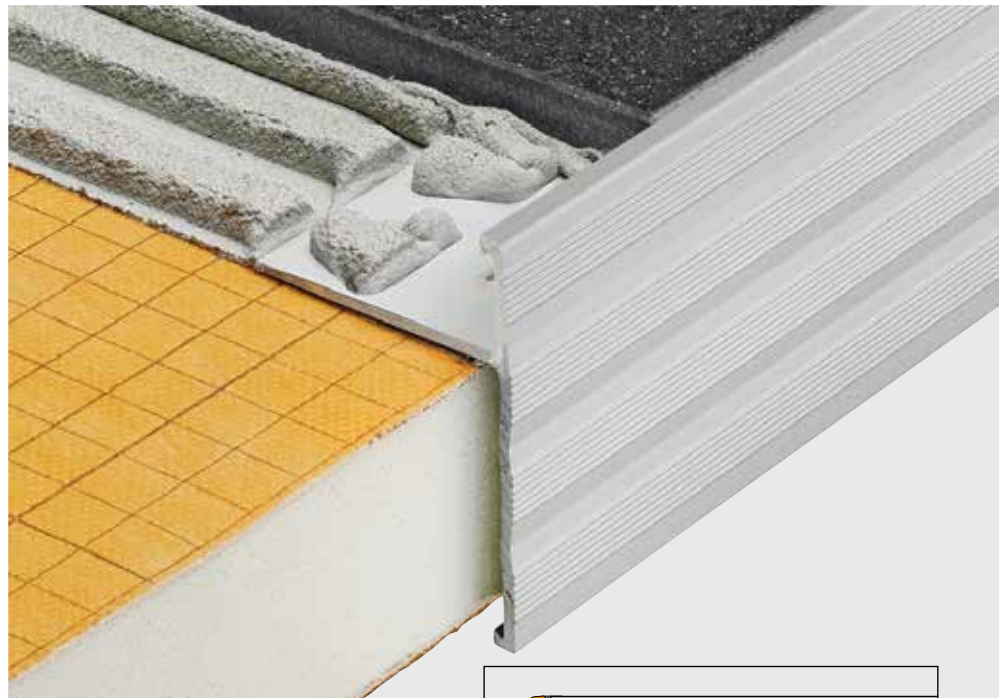
Schlüter-SCHIENE-STEP-AE features an integrated joint spacer, thereby ensuring a defined joint cavity with the tile.

The stainless steel profile **Schlüter-SCHIENE-STEP-EB**, H = 6 mm, H1 = 11 mm is a decorative finishing profile that is particularly suited for the installation of tiles over an existing tile covering.

In addition to the decorative properties of the profile, it effectively protects the edges of tiles from mechanical damage.

When used in stairs, Schlüter-SCHIENE-STEP is intended for residential or similar interior applications with low foot traffic. Furthermore, Schlüter-STEP-EB is also usable in areas with heavy traffic. The profile is solidly embedded in the covering. Its geometry offers optimal protection of the stair nosing along with good visibility and a high level of safety.

Pre-fabricated parts are available for Schlüter-SCHIENE-STEP-EB to create internal and external corners.



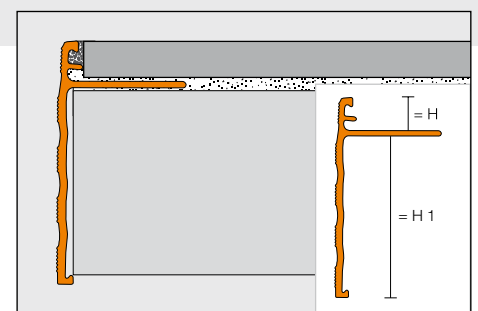
Materials

Schlüter-SCHIENE-STEP is available in the following finishes:

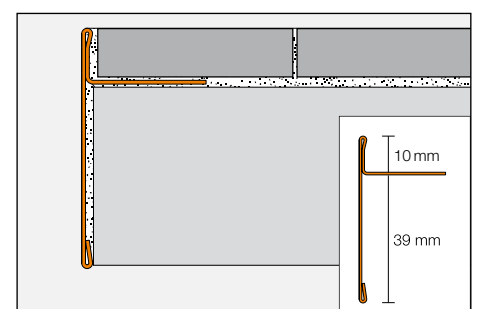
EB = brushed stainless steel
AE = anodised aluminium

Material properties and areas of application

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



Schlüter®-SCHIENE-STEP-AE



Schlüter®-SCHIENE-STEP-EB



Schlüter-SCHIENE-STEP-AE (anodised aluminium): The aluminium features an anodised finish that retains a uniform appearance during normal use. Visible surfaces should be protected against abrasion. Aluminium is sensitive to alkaline media. Cementitious materials, in conjunction with moisture, become alkaline. Depending on the concentration and duration of exposure, this may result in corrosion (aluminium hydroxide formation). For this reason, remove adhesive or grouting material immediately from all visible areas and do not cover freshly installed coverings with foil. In addition, ensure that the profile is solidly embedded in the setting material to prevent water from accumulating in small cavities.

Schlüter-SCHIENE-STEP-E (brushed stainless steel) is highly durable and especially suited for application areas that must be resistant to chemicals and acids, such as food industry facilities, breweries, dairies, industrial kitchens and hospitals, as well as residential areas. 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. Special anticipated stresses should therefore be verified in advance.

Installation

1. Select the profile height of Schlüter-SCHIENE-STEP to suit the tile thickness and method of installation.
2. Apply cementitious tile adhesive to the area where the perforated anchoring leg will be placed, using a notched trowel.
3. Firmly press the trapezoid perforated anchoring leg of the SCHIENE-STEP into the adhesive and align it.
4. Trowel additional tile adhesive over the perforated anchoring leg to ensure full coverage.
5. 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. When used in floors, the profile must not be higher than the tiled surface, and should preferably be up to approx. 1 mm lower.

6. 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 profiles, a joint of approx. 1.5 mm is recommended.
7. Use suitable materials and tools for the sensitive surfaces to avoid scratches or other damage. Residue of mortar and tile adhesive should be removed immediately.
8. The pre-fabricated parts for Schlüter-SCHIENE-STEP-EB should overlap the profile by at least 10 mm. They cannot be subsequently attached, but must be laterally inserted as part of the profile installation and adhered with spots of a suitable installation adhesive (Schlüter-KERDI-FIX).

Notes

Schlüter-SCHIENE-STEP requires no special maintenance or care. Do not use abrasive cleaning agents on the sensitive surfaces. Damaged anodised surfaces can be restored with paint.

The surfaces of stainless steel profiles 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 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 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.

Material	Recommended cutting tools	
Stainless steel	 With speed control	
Aluminium	   Saw blade for nonferrous metals	

Follow all safety instructions and specifications provided by the cutting tool manufacturer, including the use of safety goggles, ear protection and gloves. Irrespective of the cutting tool used, ensure that all burr is removed from the profile ends with a file or similar.



Product overview:

Schlüter®-SCHIENE-STEP-AE

AE = Anodised aluminium

Supplied length: 2.50 m

H = mm	8	10	12.5	15
H1 = 30 mm	•	•	•	•
H1 = 39 mm	•	•	•	•



Example: Stair nosing with Schlüter®-SCHIENE-STEP-AE

Schlüter®-SCHIENE-STEP-EB

EB = brushed stainless steel

Supplied length: 2.50 m

H = mm	6	9	11	12.5
H1 = 11 mm	•			•
H1 = 30 mm		•	•	•
H1 = 39 mm	•	•	•	•

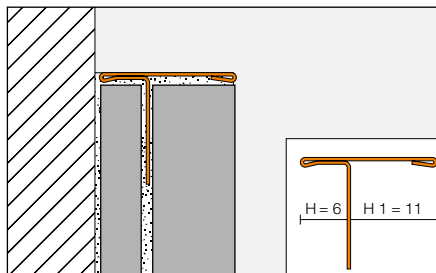


Example: Stair nosing with Schlüter®-SCHIENE-STEP-EB

Accessories for SCHIENE-STEP-EB include connectors and internal and external corners at angles of 90° and 135°.

Note:

Exterior corners 90° can also be used as end caps.



Example: Tiles over existing tiles with Schlüter®-SCHIENE-STEP-EB

Text template for tenders:

___ linear meters of Schlüter-SCHIENE-STEP as a high-quality, decorative edge protection profile with trapezoid perforated anchoring leg, designed for kitchen countertops as well as shelving and stairs with ceramic tile coverings or as a finishing profile for the installation of tiles over an existing tile covering, to be supplied and professionally installed while observing the manufacturer's instructions.

Material:

- EB = brushed stainless steel
- AE = Anodised aluminium

Height (= H1):

- = 11 mm
- = 30 mm
- = 39 mm

Profile height (= H): _____ mm

Item no: _____

Material: _____ /m

Labour: _____ /m

Total price: _____ /m

