

Schlüter® -TREP-E/ -EK/ -EFK

Stair nosing profile
for non slip stairs

3.3

Product data sheet

Application and Function

Schlüter-TREP-E is a stainless steel stair nosing profile with a special non slip tread to create safe and attractive stair edges. The profile can be integrated into stairs covered with tile or natural stone, as well as into a screed or surface coating that is a minimum 2 mm thick. The profile is especially suited for applications in buildings with heavy foot traffic, such as commercial or public buildings.

Schlüter-TREP-E protects the front edges of stairs and adds a high degree of safety due to the special slip resistant design of the tread (test certificate by the Institute for Occupational Safety (IFA), slip resistance classification group R10 V6) and the excellent visibility of the stair nosings. Matching end caps are available as accessories.

Schlüter-TREP-EK is a profile without anchoring legs for adhering to the edges of stair nosings.

The profile is well suited for retrofit installation over damaged edges, eliminating the need to replace the entire step.

Schlüter-TREP-EFK is a variant without anchoring legs and edge protection that features a special slip resistant tread. It can be adhered in the corresponding milled grooves or retrofit to stairs.

Material

Schlüter-TREP-E is available in the following material versions:

- E = stainless steel
- V2A, material no. 1.4301 = AISI 304
- V4A material no. 1.4404 = AISO 316L

Schlüter-TREP-EK is made of:

- E = stainless steel
- V2A, material no. 1.4301 = AISI 304



Schlüter-TREP-EFK is made of:

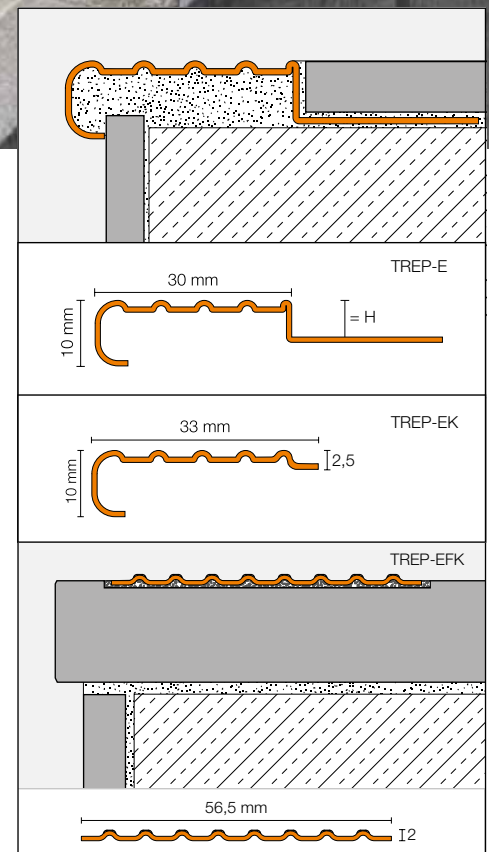
- E = stainless steel
- V4A material no. 1.4404 = AISI 316L

Material properties and areas of application

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

Schlüter-TREP-E is particularly well suited for applications that, in addition to heavy mechanical stresses, require resistance to chemicals (e.g. exposure to acids, alkalis, oils, greases and solvents).

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 alloy materials 1.4301 or 1.4404.

Installation

1. Select Schlüter-TREP-E according to the tile thickness.
2. First, install the riser coverings to the appropriate height.
3. Apply a suitable adhesive to the edge area above the riser.
4. Fill the hollow spaces on the underside of the profile with suitable tile adhesive. Note for step 3 and 4: In case of thicker adhesive layers in the edge area, it may be necessary to add sand to the cementitious tile adhesive in accordance with manufacturer instructions.
5. Embed Schlüter-TREP-E fully into the adhesive bed and align the profile in such a way that the front edge of the profile covers the riser tile or is flush with its edge as an alternative.
6. Trowel additional setting material over the trapezoid perforated anchoring leg and the contact area to ensure full coverage.
7. Solidly embed the horizontal tiles and align them flush with the top edge of the profile. The tiles must be fully embedded in the area of the profile.
8. Leave a joint of approximately 2 mm to the profile.
9. Completely fill the space between the tile and the profile with grout.
10. When integrating Schlüter-TREP-E into screed layers, fully embed the profile in the mortar and cover the trapezoid perforated anchoring leg with at least 15 mm of screed mortar.
11. When using surface coatings, Schlüter-TREP-E is adhered to the edge of the stair tread and adjusted in such a way that the front edge of the profile is flush with the riser. The trapezoid perforated anchoring leg is covered completely with the surface coating, so that the finished surface is flush with the profile. If applicable, the profile has to be cleaned and degreased prior to installation. As an alternative, the profile can also be installed flush with the edge of the riser tile as shown in the drawing "Installation variant for Schlüter-TREP-E."

Installation of Schlüter-TREP-EK/-EFK

1. Clean the stair nosings and repair damaged areas if necessary.
2. Clean and degrease the underside of Schlüter-TREP-EK/-EFK.
3. Adhere the profiles by fully embedding them into a suitable adhesive (e.g. epoxy resin or Schlüter-KERDI-FIX, depending on the substrate).
Note: The upper profile edge is approx. 2.5 mm (or approx. 2 mm if using Schlüter-TREP-EFK) higher than the stair covering.

Maintenance

The profiles require no special maintenance or care. 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 extraneous rust. This also includes tools such as trowels or steel wool, i.e. tools used to remove adhesive and grout residue. We recommend the use of the stainless steel cleaning polish Schlüter-CLEAN-CP.



Product Overview

Schlüter®-TREP-E

E = Stainless steel

Length supplied: 3.00 m, 2.50 m, 1.50 m, 1.00 m

Length	3 m	2.5 m	1.5 m	1 m
H = 2 mm		•	•	•
H = 3 mm		•	•	•
H = 5 mm		•	•	•
H = 8 mm	•	•	•	•
H = 9 mm	•	•	•	•
H = 10 mm	•	•	•	•
H = 11 mm	•	•	•	•
H = 13 mm	•	•	•	•
H = 16 mm	•	•	•	•
H = 22 mm	•	•	•	•
H = 25 mm		•	•	•
End Caps (V4A)	•	•	•	•

Schlüter®-TREP-EK

EK = stainless steel V2A adhesive profile

Length supplied: 2.50 m, 1.50 m, 1.00 m

Material	E V2A
H = 2.5 mm	•

Schlüter®-TREP-EFK

EFK = Flat stainless steel adhesive profile

Length supplied: 2.50 m

Material	E V4A
H = 2 mm	•

Schlüter®-TREP-E

E = Stainless steel V4A

Length supplied: 2.50 m, 1.50 m, 1.00 m

Material	E V4A
H = 2 mm	•
H = 3 mm	•
H = 5 mm	•
H = 8 mm	•
H = 11 mm	•
H = 13 mm	•
H = 16 mm	•
H = 25 mm	•
End Caps	•

Text template for tenders:

_____ units of Schlüter-TREP-E, as a stainless steel stair profile with trapezoid perforated anchoring legs
 ■ E = Stainless steel
 ■ E V4A = Stainless steel 1.4404 (V4A)
 ... to be supplied and professionally installed as an edge profile on stairs while observing the manufacturer's instructions.

Stairs are made of:

- Tile / natural stone
- Screed
- Surface Coating

_____units of Schlüter-TREP-EK as a retrofit stair nosing profile without attachment angle, consisting of grooved stainless steel V2A, material no. 1.4301 = AISI 304, to be supplied and professionally installed on the steps while observing the manufacturer's instructions.

_____ units Schlüter-TREP-EK as a retrofit stair nosing profile, consisting of grooved stainless steel, to be supplied and professionally installed while observing the manufacturer's instructions.

Matching end caps for the stair nosings

- are to be included in unit prices.
- are to be charged as extra.

In individual lengths of _____m

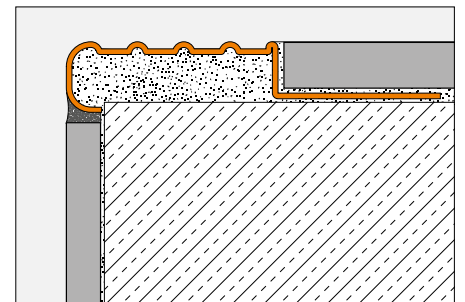
Profile height: _____mm

Art.-No.: _____

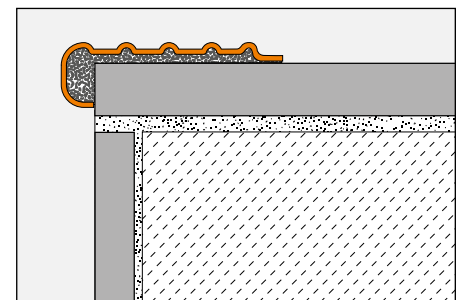
Material: _____/Piece

Labour: _____/Piece

Total: _____/Piece



Installation variant for Schlüter® -TREP-E



Schlüter®-TREP-EK



Schlüter®-TREP-EK



Schlüter®-TREP-EFK

