

## 3.3 Schlüter®-TREP-E



STAIR NOSING PROFILE

FOR NON SLIP STAIRS

### 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 building areas with heavy foot traffic, such as commercial areas or public buildings.

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

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

Schlüter®-TREP-E protects the front edge of steps and adds a high degree of safety due to the tread's high visibility (Certified by the German Institute for Occupational Safety and Health (BGIA), classified as slip resistance category R10 V6) and special slip resistant design. Matching end caps are available.

### Material

Schlüter®-TREP-E is made of roll formed stainless steel, material 1.4301 (V2A) or material 1.4404 (V4A). The profile's anchoring legs feature trapezoid perforations.

Schlüter®-TREP-EK is made of stainless steel, material no. 1.4301 (V2A).

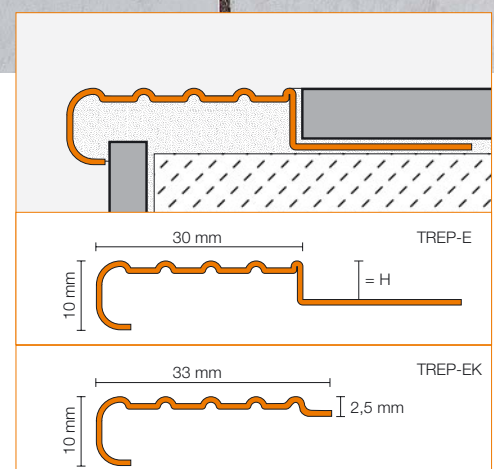


### Material Properties and Areas of Application:

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).

Depending on the anticipated chemical stresses, material numbers 1.4301 or 1.4404 may be selected.





**Installation**

1. Select Schlüter®-TREP-E according to tile thickness.
2. First, set the covering material on the riser so that the top edge of the covering is at the right height.
3. Apply suitable tile adhesive along the edge area above the riser.
4. Fill the cavity on the underside of the profile with suitable tile adhesive.  
Note on 3 and 4: For thicker layers, additional aggregate may have to be added to the adhesive according to manufacturer's recommendations, or use a medium bed mortar.
5. Press Schlüter®-TREP-E completely into the adhesive bed and align, making sure that the front edge of the profile overlaps the riser tile.
6. Completely cover the perforated anchoring leg and the tread area with adhesive.
7. Firmly press the tread tile into place and adjust it in such a way that the tiled surface is flush with the top of the profile.  
Note: The profile should not be higher than the tile, but rather flush or up to approx. 1 mm lower. All tiles in the profile area must be solidly bedded.

8. A joint of approximately 2 mm should be left between the tile and the profile.
9. Fill the joint completely with grout.
10. When Schlüter®-TREP-E is integrated into screed layers, the profile must be completely embedded in the mortar. The trapezoid perforated anchoring leg must be covered with at least 15 mm of 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.

**Installation of Schlüter®-TREP-EK**

1. Clean the stair nosings and repair damaged areas if applicable.
2. Clean or degrease the underside of Schlüter®-TREP-EK.
3. Adhere the profile by fully embedding it 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 higher than the stair covering.

**Maintenance**

Schlüter®-TREP-E requires 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 mortar residue.

**Product overview:**

**Schlüter®-TREP-E**

E = Stainless steel

Length supplied: 2.50 m, 1.50 m, 1.00 m

Material	E	EV4A
H = 2 mm	•	
H = 3 mm	•	
H = 5 mm	•	
H = 8 mm	•	•
H = 11 mm	•	•
H = 16 mm	•	•
H = 25 mm	•	
End Caps	•	•

**Schlüter®-TREP-EK**

Material	E
H = 2.5 mm	•

**Text template for tenders:**

\_\_\_\_\_ units of Schlüter®-TREP-E, as a stainless steel stair profile with trapezoid perforated anchoring legs

- E = Stainless steel
- EV4A = 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 Schlüter®-TREP-EK as a subsequently attachable 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

