

Schlüter®-TREP-V

Stair nosing profiles

For barrier free stair design

3.6

Product data sheet

Application and function

Schlüter-TREP-V are aluminium stair nosing profiles with a replaceable slip resistant PVC tread insert for indoor use.

The profiles are suitable for the safe and visually appealing design of barrier free stairs with tiled or natural stone coverings, but can also be installed in screeds or other coating materials.

Schlüter-TREP-V are fitted with specially textured, slip resistant treads. That makes them especially suitable for use in areas subjected to heavy foot traffic, such as offices or public buildings. The profiles are also a suitable choice in private homes due to their appealing design. The treads can be subsequently replaced in case of damage or wear. The slip resistance properties of TREP-V inserts were tested according to DIN EN 16165 and classified as R10. Matching end caps are available as accessories.

Material

Schlüter-TREP-V comprise aluminium support sections that are fitted with a tread insert consisting of a rigid PVC base section and a soft PVC slip resistant surface.

The support section includes a trapezoid perforated anchoring leg for installing the profile in freshly installed tile adhesive or epoxy resin.

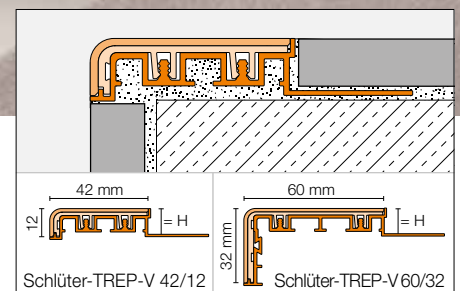
In the case of TREP-V 42/12, the insert has a visible width of 42 mm at tread/going tiles and 12 mm at riser tiles, while TREP-V 60/32 features a visible width of 60 mm at the tread/going tiles and 32 mm at the riser tiles. The light reflectance value (LRV) or reflectance and luminance factor required for calculating visual contrast according to



DIN 32975 were determined in a laboratory for the seven different colours of the tread insert (see Technical data). Our working aid contains additional information for calculating visual contrast.

Material properties and areas of application:

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





Schlüter-TREP-V are resistant to the chemical stresses commonly encountered in tiled coverings on stairs or steps. Aluminium is sensitive to alkaline media.

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. Therefore, it is important to ensure that the profile is solidly embedded in the setting material and that all cavities are filled to prevent the accumulation of alkaline water. The support sections and treads of TREP-V differ in their thermal expansion. Abutting profiles should therefore be aligned with the joints of the adjacent covering if necessary.

Note:

The profiles are only suitable for indoor use.

Installation

1. Select Schlüter-TREP-V according to the tile thickness.
2. First, install the riser coverings to the appropriate height.
3. Apply a suitable cementitious tile adhesive to the edge area above the step riser.
4. Fill the hollow spaces on the underside of the profile with suitable tile adhesive.
Note for steps 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 or to use a medium bed mortar.
5. Embed Schlüter-TREP-V fully into the adhesive bed and align the profile in such a way that the front edge of the support section is flush with the riser tile.
6. Completely cover the trapezoid perforated anchoring leg and the tread/going of the stair step with cementitious tile adhesive.

7. Solidly embed the tread/going tiles and align them flush with the top edge of the profile. Full coverage must be obtained between the tile and the profile's anchoring leg. The profile may slightly protrude or be recessed in the area of the riser tile to offset dimensional variations in the covering material. The profile should not be higher than the tiled surface on the tread/going, but rather up to approx. 1 mm lower.

8. Leave a joint of approx. 2 mm between the tile and the profile.

9. Fill the joint completely with grout. Cover the non slip tread with a suitable adhesive tape before applying grout.

Notes

Schlüter-TREP-V requires no special maintenance or care. Do not use abrasive cleaning agents on the sensitive surfaces. The tread insert can be replaced in case of damage or wear.

Damage to the anodised surface can be restored with paint. All cleaning agents must be free of hydrochloric and hydrofluoric acid and may not be overly alkaline.



Product overview:

Schlüter®-TREP-V 42/12

Aluminium support profile

V42/12 = tread/going surface 42 mm - riser surface 12 mm

Lengths supplied: 1.00 m, 1.50 m, 2.00 m, 3.00 m

Material	SG	HB	HG	SP	FG	GS	NB
H = 9 mm	•	•	•	•	•	•	•
H = 11 mm	•	•	•	•	•	•	•
H = 12.5 mm	•	•	•	•	•	•	•
End cap	•	•	•	•	•	•	•
Insert	•	•	•	•	•	•	•

Colours: SG = stone grey, HB = light beige, HG = light grey, SP = soft peach, FG = joint grey, GS = graphite black, NB = nut brown



Schlüter®-TREP-V60/32

Aluminium support profile

V60/32 = tread/going surface 60 mm - riser surface 32 mm

Lengths supplied: 1.00 m, 1.50 m, 2.00 m, 3.00 m

Material	SG	HB	HG	SP	FG	GS	NB
H = 9 mm	•	•	•	•	•	•	•
H = 11 mm	•	•	•	•	•	•	•
H = 12.5 mm	•	•	•	•	•	•	•
End cap	•	•	•	•	•	•	•
Insert	•	•	•	•	•	•	•

Colours: SG = stone grey, HB = light beige, HG = light grey, SP = soft peach, FG = joint grey, GS = graphite black, NB = nut brown



Technical data for calculating visual contrast according to DIN 32975

Material	SG	HB	HG	SP	FG	GS	NB
Reflectance ρ_d	0.354	0.261	0.607	0.661	0.172	0.044	0.121
Luminance factor β	0.377	0.282	0.637	0.695	0.18	0.051	0.142
Light reflectance value (LRV)	37.7	28.2	63.7	69.5	18	5.1	14.2



Designing barrier free stairs in coverings



Example



Colour combination GS and SP (here: TREP-V 42/12)

**Text template for tenders:**

___ units Schlüter-TREP-V as a stair nosing profile comprising an aluminium support section with a trapezoid perforated anchoring leg that is fitted with a slip resistant and replaceable tread insert made of co-extruded rigid/soft PVC (Classification R 10), and install flush with riser and tread/going tiles as an edge profile during tile installation, to be supplied and professionally installed according to the manufacturer's specifications.

Profile type:

- TREP-V 42/12, visible width on tread/going tiles 42 mm and 12 mm on riser tiles
- TREP-V 42/12, visible width on tread/going tiles 42 mm and 12 mm on riser tiles
- End caps to match the stair nosings
- are to be included in the unit prices.
- are to be invoiced separately.

Individual lengths of: _____m

Profile height: _____mm

Colour: _____

Art.-No.: _____

Art.-No.: _____ .../unit

Labour: _____ .../unit

Total price: _____ .../unit