Schlüter Systems®

PROFILE OF INNOVATION

Schlüter®-TROBA

Drainage mat

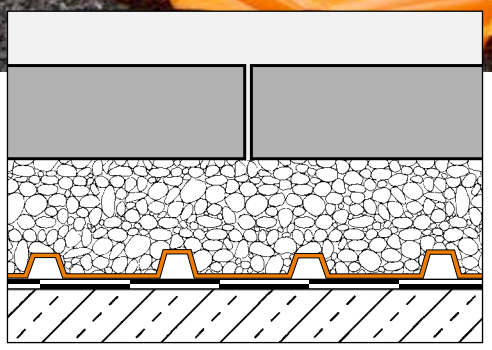
for use over sloped waterproofing layers

7.1

Product data sheet

Application and Function

Schlüter-TROBA is a reliable and permanently effective drainage system for use over sloped waterproofing layers. It consists of a perforated, pressure-stabilized studded polyethylene sheet and forms hollow chambers between the waterproofing assembly and the gravel or crushed stone layer. Any water penetrating the tile covering and the screed passes through the perforations to the waterproofing layer, where it runs off freely through the drainage cavities. Schlüter-TROBA has been tried and tested as a surface drainage system for over 25 years.



Material

Schlüter-TROBA consists of a pressure-stable polyethylene sheet with a structure of trapeziod-shaped, 8 mm deep, studs. To allow penetration of seepage water, the outer corners of the studs are equipped with holes. The contact area of the matting is approximately 50 %; vault-like drainage spaces constitute the remaining 50 %. The material will not rot and is form-stable within a temperature range of -40°C to +80°C.

Material properties and areas of application:

Schlüter-TROBA is primarily installed in horizontal applications, over sloped waterproofing layers, according to DIN 18531. It provides an effective drainage layer between the waterproofing layer and the surface assembly above. Its main areas of application are balconies and terraces, which have been waterproofed.

The loosely placed TROBA is adequately stable against mechanical stress during the installation process, e.g. it may be walked on or driven over with wheelbarrows used for the transport of required material.
The cover construction, consisting of self-supporting pavers or stone slabs, can be installed over gravel or crushed stone. TROBA prevents the stones from sinking into the bitumen waterproofing. Water which penetrates the mortar bed is guided, under normal gravitational force, through the drainage cavities of TROBA toward the drainage exit.

Installation

1. The load-bearing substrate and the waterproofing membrane placed on it, in compliance with DIN 18531 must be adequately sloped toward and connected to the designated drainage exit.
2. Irrespective of the direction of slope, TROBA shall be loosely laid over the waterproofing membrane. Adjacent lengths are placed and overlapped along the flat edges, while the ends of two courses are overlapped by at least one row of dimples.
3. The surface assembly is installed directly over the placed TROBA according to current industry standards.
4. Please note: With respect to edging profiles, flexible joints, and floor/wall transitions, please refer to the appropriate profiles from our product range.

Note:
Natural shifts may occur in paver coverings over loosely installed crushed stone/gravel due to one-sided or corner loads.

Product Overview:

Schlüter®-TROBA

TROBA-MA	1 x 1 m = 1 m²
TROBA-RO	20 x 1 m = 20 m²

Text template for tenders:

Supply
_____ m² Schlüter-TROBA as a drainage and protective layer, consisting of a pressure-stable, studded polyethylene sheet with trapezoid-shaped studs, the outer corners of which are equipped with holes, and install over the existing and sloped waterproofing layer in a professional manner and according to the manufacturer's specifications.
Art.-No.: _____
Material: _____ ...../m²
Labour: _____ ...../m²
Total: _____ ...../m²

Overlapping Schlüter®-TROBA

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