Product Data Sheet
Drainage Mat DBV 12

Technical Data

Drainage Mat DBV 12
Studded sheet of polyethylene with attached filter sheet.

Filter sheet:
- Material: PP/PE-mixture
- Colour: white
- Area weight: ca. 120 g/m²
- Penetration force: ca. 1000 N
- Effective opening width $O_{90,W}$: ca. 150 µm
- Flow rate (at 100 mm water column): ca. 110 l/s m²
- Projecting filter sheet on the side: ca. 100 mm

Studded sheet:
- Material: PE-regenerate
- Colour: black
- Material thickness: ca. 1 mm
- Stud height: ca. 10 mm
- Number of studs: ca. 3000/m²
- Compressive strength at 10% compression: ca. 315 kN/m²
- In-plane water flow capacity according to EN ISO 12958:
  - roof slope 2 %: ca. 0.4 l/(s·m)
  - built in vertically: ca. 3.2 l/(s·m)
- Total height: ca. 12 mm
- Weight: ca. 1.4 kg/m²
- Dimensions: ca. 20.00 m x 1.00 m

Features

- suitable for high compressive demand
- applicable as protection for foundation walls, compatible with bitumen
- meets German Standard DIN 4095 vertically
- used on low pitched roofs as drainage layer
- compatible with humic acid
- with attached filter sheet
- efficient installation

Application Example

“Low pitched Green Roof”

- Plant layer “Sedum Carpet”
- System Substrate ca. 80 l/m²
- Drainage Mat DBV 12
- Roof construction with root resistant waterproofing

Specification Suggestion

Studded sheet made of thermoformed polyethylene with attached filter sheet of polypropylene/polyethylene, characteristic opening size $O_{90,W}$ 150 µm, total height ca. 12 mm, material thickness ca. 1 mm, area weight ca. 1.4 kg/m², max. load bearing capacity ca. 315 kN/m², in-plane water flow capacity tested according to EN ISO 12958, delivery and installation according to manufacturer’s instructions.

Make: ZinCo Drainage Mat DBV 12
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