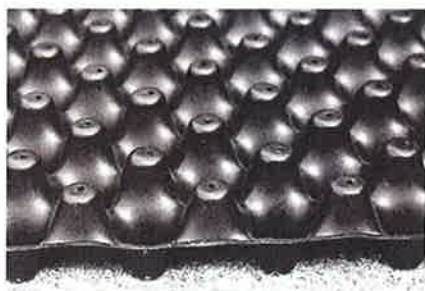


Product Information

Floradrain® FD 40-E

ALUMASC
ROOFING SYSTEMS



Drainage and water storage element of recycled polyethylene for use on extensive and intensive green roofs with or



Technical Data

Floradrain® FD 40-E

Drainage and water storage element of thermoformed recycled polyethylene.

Material: PE-HD
Colour: dark grey
Height: ca. 40 mm
Weight: ca. 2.2 kg/m²

Diffusion opening: ca. 2 mm
Water storage capacity: ca. 6 l/m²
Filling volume: ca. 17 l/m²

Compressive strength at 10 % compression
without filling: ca. 170 kN/m²
with filling: ca. 250 kN/m²

In-plane water flow capacity (EN ISO 12958):

roof slope 1 %: ca. 1.5 l/(s·m)
roof slope 2 %: ca. 2.1 l/(s·m)
roof slope 3 %: ca. 2.6 l/(s·m)

Dimensions: ca. 1.00 m x 2.00 m

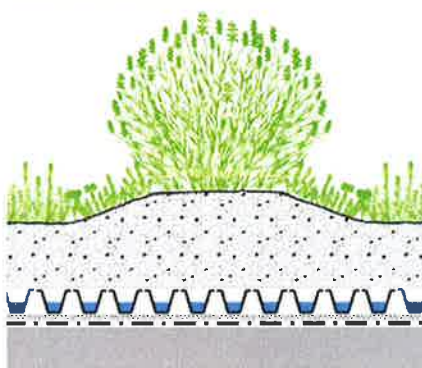
Accessories:

Features

- universal element for extensive and intensive green roof build-ups
- high drainage capacity
- also suitable for roofs without slope
- water storage even on sloped roof
- walkable
- biologically neutral
- quick and easy installation
- joint connector as accessory available

Application Example

"Semi-intensive Green Roof"



Plant layer "Heather with Lavender"

System Substrate
"Heather with Lavender", ca. 120 l/m²

Filter Sheet SF
Floradrain® FD 40-E
Protection Mat SSM 45

Specification Suggestion

Drainage and water storage element of polyethylene, height ca. 40 mm, max. compressive strength (without filling) 170 kN/m², with water storage cells and openings for ventilation and evaporation as well as multidirectional drainage chan-

water flow capacity tested according to EN ISO 12958, delivery and installation according to manufacturer's instructions.

Make: ZinCo Floradrain® FD 40-E
Enquiries: ZinCo GmbH,

Product Data Sheet

Filter Sheet SF

ALUMASC
ROOFING SYSTEMS



Geotextile of thermally strengthened polypropylene, applicable as filter sheet above drainage elements for normal



0799-CPD-74

Features

- resistant to mechanical stress
- various application possibilities
- resistant to all naturally occurring acids and alkali
- chemically and biologically neutral
- especially high passage of water
- quick and easy installation
- non-rotting

Technical Data

Filter Sheet SF

Thermally strengthened filter sheet of Polypropylene.

Thickness: ca. 0.60 mm

Weight: ca. 100 g/m²

Penetration force according to EN ISO 12236: ca. 1100 N

Strength class: 2

Tensile strength (200 mm) according to EN ISO 10319: Lengthwise ca. 7.0 kN/m
Crosswise ca. 7.0 kN/m

Tensile extension: ca. 40% / 55 %

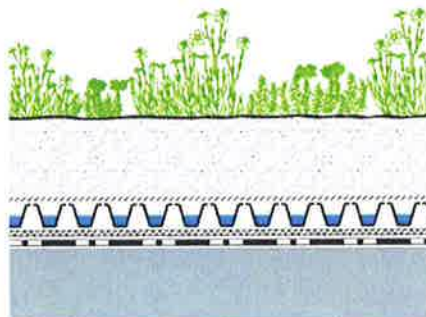
Flow rate (H₅₀) according to EN ISO 11058: ca. 70 l/(m²·s) (= 0.07 m/s)

Effective opening width (O₉₀) according to EN ISO 12956: ca. 95 µm

Dimensions:
length: ca. 100.00 m width: ca. 2.00 m Order No. 2100

Application Example

"Extensive Green Roof"



Plant layer "Rockery Type Plants"

System Substrate
"Rockery Type Plants", ca. 80 l/m²

Filter Sheet SF
Floradrain® FD 25-E
Protection Mat SSM 45

Roof construction with root

Specification Suggestion

Thermally strengthened sheet of polypropylene; weight ca. 100 g/m², penetration force according to EN ISO 12236: ca. 1100 N, strength class 2, flow rate (H₅₀) according to EN ISO 11058: ca. 70 l/(m²·s), effective opening width (O₉₀)

12956: ca. 95 µm, delivery and installation according to manufacturer's instructions.

Make: ZinCo Filter Sheet SF
Enquiries: ZinCo GmbH,



Product Data Sheet

Protection Mat SSM 45

ALUMASC
ROOFING SYSTEMS



Water and nutrient storage mat of synthetic fibres, for the application as a protection layer under green roofs,



Technical Data

Protection Mat SSM 45

High quality fibre mat made of polypropylene, with fleece backing.

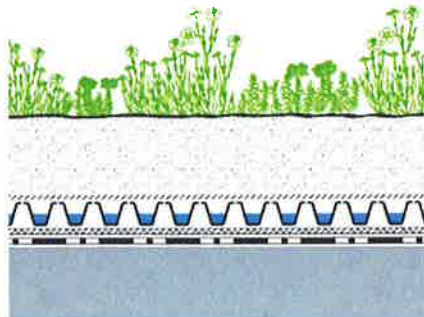
Thickness:	ca. 5 mm
Weight:	ca. 470 g/m ²
Colour:	brown mottled
Water storage capacity:	ca. 5 l/m ²
Tensile strength according To EN ISO 10319:	> 8.5 kN/m
Extension lengthwise:	> 90 %
Penetration force according To EN ISO 12236:	> 2400 N
Strength class:	3
Dimensions:	
Roll width:	ca. 2.00 m
Roll length:	ca. 50.00 m

Features

- resistant to mechanical stress
- protection layer according to German Standard DIN 18195, Part 5
- water and nutrient storage
- non-rotting
- biologically neutral
- bitumen and polystyrene compatible
- made of recycled fibres
- quick and easy installation

Application Example

"Extensive Green Roof"



Plant layer
e. g. "Rockery Type Plants"

System Substrate "Rockery Type Plants"

Filter Sheet SF
Floradrain® FD 25-E
Protection Mat SSM 45
Roof construction with

Specification Suggestion

High quality, non-rotting synthetic fibre mat as mechanical protection layer according to German Standard DIN 18195, Part 5; strength class 3, thickness ca. 5 mm, weight

according to manufacturer's instructions.

Make: ZinCo Protection Mat SSM 45
Enquiries: ZinCo GmbH,

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