

Technical Data Sheet

FLORADRAIN® FD 40-E

Drainage and water-retaining element

ONDULINE®



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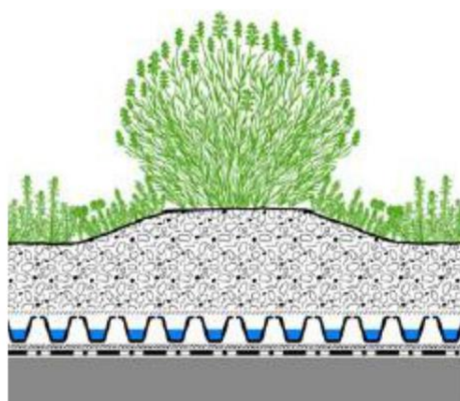
Product Definition

Drainage and water storage element of thermoformed recycled polyethylene.

Technical Data

Material:	PE-HD
Colour:	dark grey
Height:	ca. 40 mm
Weight:	ca. 2.2 kg/m ²
Diffusion opening:	ca. 2 mm
Water storage capacity:	ca. 6 l/m ²
Filling volume:	ca. 17 l/m ²
Compressive strength at 10 % compression	
without filling:	ca. 170 kN/m ²
with filling:	ca. 250 kN/m ²
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

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
Polypropylene Protection Mat 500 gr
Roof construction with BITULINE EP400
AR root resistant waterproofing
membrane

Where to use and Properties

- 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 channel system on the underside,
- Drainage and water storage element of recycled polyethylene for use on extensive and intensive green roofs with or without slope.
- 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
- in-plane water flow capacity tested according to EN ISO 12958,

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