

Technical Data Sheet

FLORADRAIN® FD 25- E

Drainage and water-retaining element

ONDULINE®



Product Definition

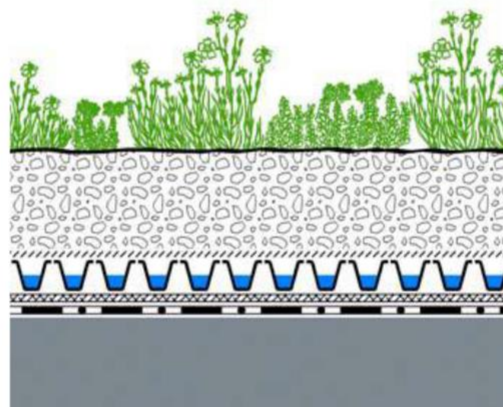
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Drainage and water storage element of thermoformed recycled polyethylene.

Technical Data

Material:	PE-HD
Colour:	dark grey
Height:	ca. 25 mm
Weight:	ca. 1.7 kg/m ²
Diffusion opening:	ca. 2 mm
Water storage capacity:	ca. 3 l/m ²
Filling volume:	ca. 10 l/m ²
Max. compressive strength (without filling):	ca. 270 kN/m ²
In-plane water flow capacity (EN ISO 12958):	
roof slope 1 %:	ca. 0.59 l/(s·m)
roof slope 2 %:	ca. 0.85 l/(s·m)
roof slope 3 %:	ca. 1.05 l/(s·m)
Dimensions:	ca. 1.00 x 2.00 m

Application Example "EXTENSIVE GREEN ROOF"



Plant layer "Rockery Type Plants"

System Substrate "Rockery Type Plants"

Filter Sheet SF
Floradrain® FD 25-E
Polypropylene Protection Mat 500 gr
Roof construction with BITULINE EP400
AR root resistant waterproofing
membrane

Where to use and Properties

- Pressure resistant drainage and water storage element of recycled polyethylene for use on extensive green roofs.
- Tested drainage capacity • above the German Standard DIN 4095
- proven longterm reliability
- water storage, even on sloped roofs
- walkable
- low profile height and light weight
- biologically neutral
- quick and easy installation
- Water storage cells and openings for aeration and evaporation as well as multidirectional drainage channel system on underside,
- in-plane water flow capacity tested according to EN ISO 12958,

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