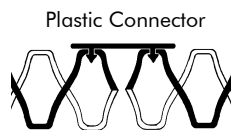


Product Data Sheet

Floradrain® FD 40-E



Drainage and water retention element of recycled polyolefin for use on extensive and semi-intensive green roofs with or without slope.



Plastic Connector

Technical Data

EDP No. 3041

Floradrain® FD 40-E

Drainage and water retention element of thermoformed recycled polyolefin.

Material:	Polyolefin, mainly PE (REC)	
Color:	dark grey	
Height:	ca. 1.6 in.	(ca. 40 mm)
Weight:	ca. 0.4 lbs/sq. ft.	(ca. 1.9 kg/m ²)
Diffusion opening:	ca. 0.1 in.	(ca. 2 mm)
Water retention capacity:	ca. 0.12 gal/sq. ft.	(ca. 5 l/m ²)
Filling volume:	ca. 0.42 gal/sq. ft.	(ca. 17 l/m ²)
Max. compressive strength (at 10 % compression):		
- without filling:	ca. 24.7 psi	(ca. 170 kN/m ²)
- with filling:	ca. 36.3 psi	(ca. 250 kN/m ²)
In-plane Water Flow Rate:		
- roof slope 1 %:	ca. 7.2 gpm/ft.	(ca. 1.5 l/(s·m))
- roof slope 2 %:	ca. 10.1 gpm/ft.	(ca. 2.1 l/(s·m))
- roof slope 3 %:	ca. 12.6 gpm/ft.	(ca. 2.6 l/(s·m))
Dimensions:	ca. 3.3 ft. x 6.6 ft.	(ca. 1.00 m x 2.00 m)

Accessories:

Plastic Connector EDP No. 9620 (to be pressed into diffusion openings)

Material: POM (Polyoxymethylene)

Features

- universal element for extensive and intensive green roof build-ups
- high drainage capacity
- also suitable for roofs without slope
- water retention even on sloped roofs
- walkable
- biologically neutral
- quick and easy installation
- connectors are also available for a more comfortable installation especially on gentle sloped roofs

Installation Instructions

Install the Drainage Element Floradrain® FD 40-E on the protection mat. The drainage elements are installed butt jointed, in green roof applications with the evaporation holes facing up, for hard landscape applications with the evaporation holes facing down and infilled with well graded coarse sand

(3/8 in. to # 100). Cut the drainage element in situ at roof penetrations. Consider an allowance for wastage of ca. 3%. Floradrain® FD 40-E is, included, but not limited to, to be installed according to manufacturer's instructions, not exposed to UV-light, completely covered. Call manufacturer for further options.

Health and Safety

This product does not require a material safety data sheet (MSDS) according to the OSHA Hazard Communication Standard (29 CFR 1910.1200). When used as recommended or under ordinary

conditions, it should not present a health and safety hazard. However, an MSDS can be provided as a courtesy in response to a customer request.