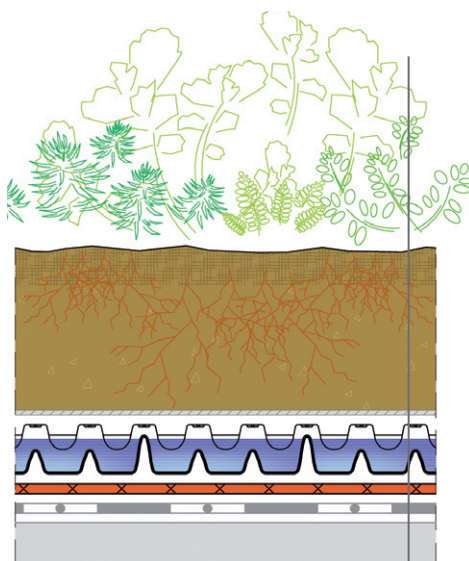


DiaDrain-25H 310203

Flow-delay retention board

KEY FEATURES

- High rainwater retention ⇒ nearly 12 l/m² of water storage capacity
- Delayed rainwater runoff ⇒ stepped barriers avoid overuse of wastewater channel system
- Microbiological resistance test (EN 12225) ⇒ stepped barriers avoid overuse of wastewater channel system
- Recessed evaporation vents ⇒ unobstructed aeration
- Negligible overlap loss ⇒ economical installation and cost savings
- Increased contact area ⇒ decreased surface pressure



DIADEM® BUILD-UP

Vegetation
 Growing media
 VLF 150/200 filter layer
DiaDrain-25H
 VLU 300/500 mechanical protection layer
 Root resistant waterproofing membrane
 Roof construction

APPLICATION

Flow-delay retention board for extensive and semi-intensive greenroofs and hard-surface pedestrian areas, made of recycled high-impact polystyrene (HIPS). The flow-delay and the retention functions are provided by the stepped barrier design.



100% recyclable

Microbiological resistance
EN12225

25-year stability guaranteed!



SPECIFICATION

Flow-delay retention board with CE marking, made of recycled high-impact polystyrene, 25 mm high, stepped barrier form, with deep-drawn recessed evaporation vents and water channel system on the underside, compressive strength 322 kN/m² (unfilled), water flow capacity on 2% roof slope 0.57 l/m*s certified according to EN ISO 12958, water storage capacity 11.8 l/m², microbiological resistance tested (EN 12225), fire resistance classification “B_{ROOF}(t2)” (EN 13501-5), laid.

Product: DIADEM® DiaDrain-25H. Manufacturer’s Certificate of Origin (MCO): APP Kft.
 Website: www.diadem.com

TECHNICAL DATA

Board size: (mm)	2020 x 1100 x 25
Rainwater retention capacity (l/m ²):	11.8
Overlap loss:	< 1%
In-fill volume (l/m ²):	13.5
Surface weight (kg/m ²):	1.35
Fire resistance classification (EN 13501-5):	B _{ROOF} (t2)
Compressive strength (kN/m ²):	322
Material:	recycled high-impact polystyrene (HIPS)
Water flow capacity EN ISO 12958 (l/m*s):	2% roof slope: 0.57 3% roof slope: 0.71 5% roof slope: 0.91

Storage: store horizontally, for longer-term storage protect from UV radiation.



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Green Up the Roof!