

DiaDrain-25H

Flow-delay retention board

310203

KEY FEATURES

- High rainwater retention $\Rightarrow$ ca. nearly 12 l/m² of water storage capacity
- Delayed rainwater runoff $\Rightarrow$ stepped barriers avoid overuse of wastewater channel system
- **Runoff reference value (C) 0,29 $\Rightarrow$ water delay over 70% according to FLL¹**
- Microbiological resistance test (EN 12225) $\Rightarrow$ stepped barriers avoid overuse of wastewater channel system
- Recessed evaporation vents $\Rightarrow$ unobstructed aeration
- Negligible overlap loss $\Rightarrow$ economical installation and cost savings
- Increased contact area $\Rightarrow$ decreased surface pressure



DIADEM® BUILD-UP¹

Vegetation

Growing media

VLF 150/200 filter layer

DiaDrain-25H

VLU 300/500 mechanical protection layer

Root resistant waterproofing membrane

Roof construction

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, runoff reference value according to FLL: 0,29¹, 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



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.



**microbiological
resistance
EN12225**

25-year stability guaranteed!



TECHNICAL DATA

Board size (mm):	2020 × 1100 × 25
Rainwater retention capacity (l/m ²):	11,8
Runoff reference value (C) ¹ :	0,29
Overlap loss:	~3%
In-fill volume (l/m ²):	13,5
Surface weight (kg/m ²):	1,36
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):	at 2%: 0,57 • at 3%: 0,71 • at 5%: 0,91
Storage:	store horizontally, for long-term storage protect from UV radiation
Installation:	adjacent to each other or overlapped, cover immediately after laying
Production:	Made in Germany.

¹ in case of a typical extensive green roof build-up

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Green Up the Roof!

