

DiaDrain-25H

Flow-delay retention board
310203



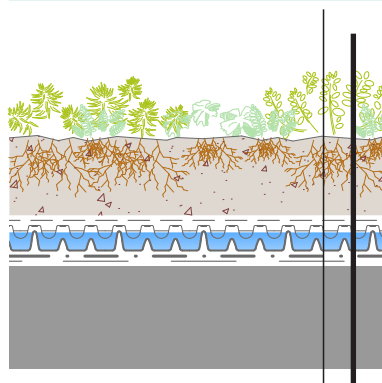
ADVANTAGES

- High rainwater retention $\Rightarrow$ ca. nearly 12 l/m² of water storage capacity
- Delayed rainwater runoff 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) $\Rightarrow$ protective function for waterproofing against biological effects
- Recessed evaporation vents $\Rightarrow$ unobstructed aeration
- Negligible overlap loss $\Rightarrow$ economical installation and cost savings
- Increased contact area $\Rightarrow$ decreased surface pressure



APPLICATION

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



DIADEM® BUILD-UP¹

- DiaMat^{PRO} sedum mat
- extensive substrate (SEM) 4-15 cm
- VLF-150 separation and filter geotextile
- DiaDrain-25H drainage board
- VLU-300 mechanical protecting geotextile
- root-resistant waterproofing membrane
- additional layers



SPECIFICATION

Flow-delay retention board with ETA and CE marking, areas suitable for passenger car traffic, 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 553,87 kN / m² (unfilled), water flow capacity on 2% roof slope 0.51 l / m²s certified according to EN ISO 12958, water storage capacity 11.8 l / m², runoff reference value according to FLL: 0.29, microbiological resistance tested (EN 12225), fire resistance classification "B_{ROOF}(t2)" (EN 13501-5).

Product: DIADEM® DiaDrain-25H
Producer's certificate: A.P.P. Kft.
Website: www.diadem.com



microbiological resistance
EN 12225



100% recyclable

TECHNICAL DATA

Board size (mm):	2020 × 1100 × 25
Water storage capacity (l / m ²):	11.8
Runoff reference value (C) ¹ :	0.29
Overlap loss:	~3%
Fill-up volume (l / m ²):	13.5
Weight (kg / m ²):	1.36
Fire resistance classification (EN 13501-5):	B _{ROOF} (t2)
Compressive strength unfilled (kN / m ²):	553,87
Material:	recycled high-impact polystyrene (HIPS)
Water flow capacity EN ISO 12958 (l / m ² s):	at 2%: 0.51 • at 3%: 0.61 • at 5%: 0.78
Storage:	horizontally, for long-term storage protect from UV radiation
Installation:	adjacent to each other or overlapped

¹ valid for a typical extensive green roof



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