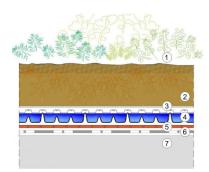
DiaDrain-25H

Flow-delay retention board

ADVANTAGES

- -High rainwater retention \rightarrow ca. nearly 12 l/m² of water storage capacity
- $\mbox{-} \mbox{Delayed rainwater runoff}$ \rightarrow avoid overuse of wastewater channel system
- ■Microbiological resistance test (EN 12225)→Very important in the case of greywater use for irrigation
- •Recessed evaporation vents \rightarrow unobstructed aeration
- •Negligible overlap loss \rightarrow economical installation and cost savings
- ■Increased contact area →decreased surface pressure



1. Vegetation, 2. Vegetation substrate SEM, 3. Geotextile filter VLF-150, 4. Drainage board **DiaDrain-25H**, 5. Protection fleece VLU-300, 6. Root protection layer FLW-400, 7. 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, compressive strength 478.77 kN/m² (filled), 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 (EN12225), fire resistance classification B2 (EN13501-5).







TECHNICAL DATA	
Board size (mm)	2020x1100x25
Rainwater retention capacity (I/m ²)	11.8
Overlap loss	~3%
In-fill volume (I/m ²)	13.5
Weight (kg/m²)	1.36
Fire resistance classification (EN 13501-5)	B2
Compressive strength (KN/m ²)	322 (unfilled) 478.7 (filled)
Material	recycled high-impact polystyrene (HIPS)

Water flow capacity (EN ISO 12958)

Slope 1%=0.39, 2%=0.57, 3%=0.71, 5%=0.91

Storage: horizontal, for long-term storage protect from UV radiation



Green Up the Roof!



APPLICATION

Flow-delay retention board for extensive and semi-intensive green roofs 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.