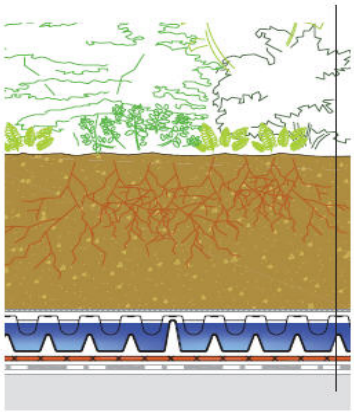
DiaDrain-40H

Flow-delay retention board

ADVANTAGES

- Quick and simple installation
- Lightweight
- High compressive strength
- Microbiological resistance test (EN 12225) – 25 year warranty
- Recessed evaporation vents→ unobstructed aeration
- High rainwater retention →ca. nearly 19.59 l/m^2 of water storage capacity
- Negligible overlap loss→economical installation and cost savings
- Stable shape and size
- Low cost transport
- Efficient storage



Layer components from top to bottom:

- Vegetation
- Vegetation substrate SRM,
- Geotextile VLF-200,
- Drainage board **DiaDrain-40H**
- Protection and water retention layer VLS-500
- Root protection layer FLW-400
- Roof construction

APPLICATION

Flow-delay retention board for extensive and semi-intensive horizontal or sloping 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.

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 588 KN/m^2 water flow capacity on 2% roof slope 1.01 l/m*s, certified according to EN 25619-2, DIN 4095, EN ISO 12958, water storage, capacity 19.59 l/m2, microbiological resistance tested(EN12225).

EN13252

100% recyclable

TECHNICAL DATA	
Board size (mm)	2040x1040x40
Rainwater retention capacity (l/m^2)	19.59
Overlap loss	-5%
In-fill volume (l/m^2)	22.75
Weight (kg/m^2)	1.96
Compressive strength (KN/m^2)	338 (unfilled) 588 (filled)
Material	recycled high impact polystyrene(HIPS)
Water flow capacity (EN ISO12958)	Slope 1%=0.70 Slope 2%=1.01 Slope 3%=1.25 Slope 5%=1,63

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

ΠΡΑΣΙΝΗ ΣΤΕΓΗ

Green Up the Roof!

DIADEM

PRODUCT INFORMATION SHEET

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