

DiaDrain-40H

Water-retention and flow-delay drainage board
310224



ADVANTAGES

- High rainwater retention \Rightarrow nearly 19.59 l/m² of water storage capacity
- Prevention of water channel system overuse \Rightarrow waterflow speed decreased by stepped barriers
- Microbiological resistance test (EN 12225) \Rightarrow additional protection for the waterproofing layer against microbiological damage
- Recessed evaporation vents \Rightarrow unobstructed aeration
- Increased contact area \Rightarrow decreased surface pressure
- Durable and high impact-resistant material (HIPS) \Rightarrow stability under pavements, water cooling is not needed during summer installations
- Negligible overlap loss \Rightarrow economical installation and cost savings



APPLICATION

Water-retention and flow-delay drainage board for semi-intensive and intensive green roofs and for flat roofs construction, made of recycled high-impact polystyrene (HIPS). Suitable for solving standing water problems on existing roofs.



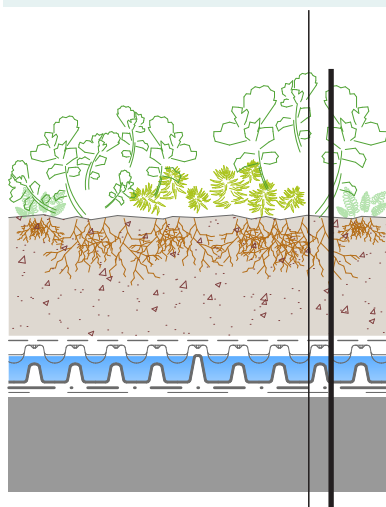
EN 13252



100% recyclable

Microbiological resistance

EN 12225



DIADEM® BUILD-UP

- DiaMat^{PRO} sedum mat
- intensive substrat
- VLF-200 separation and filter geotextile
- DiaDrain-40H drainage board
- VLU-300 mechanical protection geotextile
- root-resistant waterproofing membrane
- additional layers

SPECIFICATION

Water-retention and flow-delay drainage board for semi-intensive and intensive green roofs with CE marking and ETA-17/1015 certification, made of recycled high-impact polystyrene, 40 mm high, stepped barrier form, with recessed evaporation vents and water channel system on the underside.

Product: DIADEM® DiaDrain-40H
Producer's certificate: A.P.P. Kft.
Website: www.diadem.com



TECHNICAL DATA

Board size (mm):	2040 × 1040 × 40
Water storage capacity (l / m ²):	19.59
Overlap loss:	~5%
Fill-up volume (l / m ²):	22.75
Weight (kg / m ²):	1.96
Compressive strength unfilled (kN / m ²):	> 210
Compressive strength filled (kN / m ²):	454.5
Material:	recycled high-impact polystyrene (HIPS)
Water flow capacity EN ISO 12958 (l / m ² s):	at 1%: 0.71 • at 2%: 1.01 • at 3%: 1.29 • at 5%: 1.64 (± 5%)
Storage:	horizontally, for long-term storage protect from UV radiation
Installation:	adjacent to each other or overlapped



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