

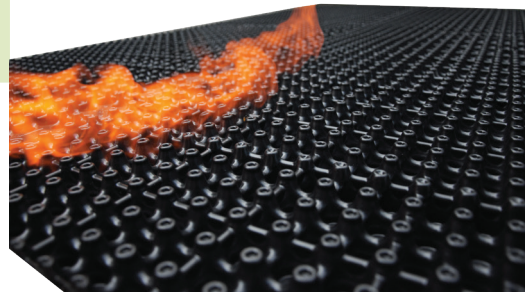
# DiaDrain-25HF-M

Flame resistant flow-delay retention board

310232

## ADVANTAGES

- Flame resistant ⇒ tested according to EN 11925-2
- Class „E” fire performance ⇒ according to EN 13501-1
- High rainwater retention ⇒ nearly 12 l/m<sup>2</sup> of water storage capacity
- Runoff reference value (C) 0,29 ⇒ water delay over 70% according to FLL<sup>1</sup>
- Microbiological resistance test (EN 12225) ⇒ barrier layer, protecting the waterproofing membrane against biological effects



### DIADEM® BUILD-UP<sup>1</sup>

Vegetation

Growing media

VLF 150/200 filter layer

### DiaDrain-25HF-M

VLU 300/500 mechanical protection layer

Root resistant waterproofing membrane

Roof construction

## SPECIFICATION

Flame resistant flow-delay retention board for extensive green roofs made of recycled high-impact polystyrene, fire performance tested according EN ISO 11925-2 and certified according to EN 13501-1 class E, height 25 mm, stepped barrier form, with deep-drawn recessed evaporation vents and water channel system on the underside, water flow capacity on 2% roof slope ca. 0.57 l/(m×s) certified according to EN ISO 12958, water storage capacity 11.8 l/m<sup>2</sup>, weight: 1.56 kg/m<sup>2</sup>.

## APPLICATION

Flame resistant 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.



EN13252



100% recyclable

Microbiological resistance  
EN12225



## TECHNICAL DATA

Board size (mm)	2020×1100×25
Rainwater retention capacity ( l/m <sup>2</sup> )	11,8
Reaction to fire, EN 13501-1	E
Overlap loss	~4%
Compressive strength (unfilled) ( kN/m <sup>2</sup> )	517
Compressive strength (filled) ( kN/m <sup>2</sup> )	no structural damage at F= 1MPa
Surface weight (kg/m <sup>2</sup> )	1,56
Material	recycled high-impact polystyrene (HIPS)
Water flow capacity, DIN EN ISO 12958 (l/m*s)	at 2%: 0,57 • at 3%: 0,71 • at 5%: 0,91
Storage	Store horizontally, for longer-term storage protect from UV radiation

<sup>1</sup> in case of a typical extensive green roof build-up



APP Dachgarten GmbH, D-85049 Ingolstadt, Jurastrasse 21  
Tel.: +49 841 370 9496 • info@grundach.com • www.grundach.com  
DIADEM® APP Kft., H-9028 Győr, Fehérvári út 75.  
Tel.: +36 96 512 910 • info@diadem.com • www.diadem.com

DIADEM® is a registered trademark. The written permission of the publisher is required to use the images, texts and illustrations in this publication. All rights reserved. Data and images contained in the brochure are indicative, we do not accept responsibility for possible printing errors • 09056200

Green Up the Roof!



PRODUCT INFORMATION SHEET