

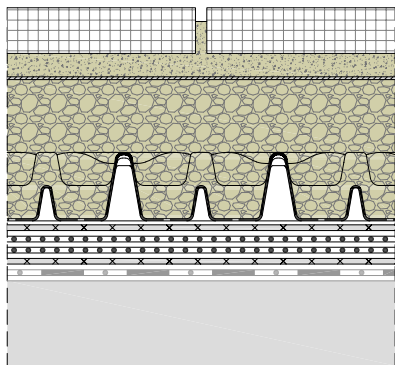
DiaDrain-60H-UP

Water-retention and drainage board

310234

ADVANTAGES

- Protecting the waterproofing against the scattering of the filling material ⇒ protective overlapping edge around the board
- Increased contact surface ⇒ heightened protection of the waterproofing through the favorable weight distribution
- Vapor diffusion for inverted roofs ⇒ increased diffusion openings both side
- Durable and high compressive strength material (HIPS) ⇒ no water cooling needed during summer installations
- Preventing the sinking of the filter layer ⇒ dedicated support cones
- Suitable for flooded blue roof ⇒ up to 100 mm water level with the combination of DiaDrain-60H rainwater retention board as a DiaDrain-120-WM wassermanagement system
- Fire classification regarding EN 13501-1 ⇒ classified as class „E“ construction product, therefore without limitation applicable



DIADEM® BUILD-UP

- Stone pavement
- Bedding layer
- Levelled crushed stone
- DiaDrain-60H-UP drainage board**
- VLU-500 protecting fleece
- GF-1000 skid membrane (2 layers)
- VLS-500 water retention and mechanical protection layer
- Root resistant waterproofing membrane
- Roof construction

APPLICATION

Flow-delay drainage board for inverted roof structures with high vapor diffusion requirement, for blue roofs with the application of water accumulation valve, and for draining of traffic areas with zero slope constructions, filled with bearing layer (broken gravel, drainage concrete, etc.) or as permanent shuttering.

SPECIFICATION

Flow-delay drainage board with CE marking, made of recycled high-impact polystyrene (HIPS), 60 mm high, for inverted roof structures with high vapor diffusion requirement, for blue roofs with the application of water accumulation valve, and for draining of traffic areas with zero slope constructions, filled with bearing layer (broken gravel, drainage concrete, etc.) or as permanent shuttering; with overlapping strip around the board, dam grid structure with perforations on the both side and water channel system on the underside for water drainage; compressive strength: 122 kN/m² (average); Water flow capacity on 2% roof slope 2.06 l/(m×s) certified according to EN ISO 12958, fire classification as class „E“ construction product regarding EN 13501-1.

Product: DIADEM® DiaDrain-60H-UP
 Manufacturer's Certificate of Origin (MCO): APP Kft.
 Website: www.diadem.com



100% recyclable

Microbiological resistance
EN12225
 25-year stability guaranteed!



TECHNICAL DATA

Dimensions (mm)	1940x940x60 (nominal); 1980x940x60 (gross)
Surface (m ²)	1,82
Fill-up volume (l/m ²)	approx. 45
Weight (+/-5%, kg/m ²)	2,2
Compressive strength (unfilled, average, kN/m ²)	122*
Compressive strength (filled, 21,55% compressive strain, kN/m ²)	1320*
Material	high impact polystyrene (HIPS)
Water flow capacity DIN EN ISO 12958 l/(m×s)	at 2%: 2,06 • at 5%: 3,34 • at 10%: 4,81
Fire classification	Class „E“ regarding DIN EN 13501-1
Storage	horizontally, protect from UV radiation
Installation	adjacent to each other or overlapped, cover immediately after laying
Overlapping loss (%)	1,5



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. 09059900

*based on preliminary tests

Green Up the Roof!

