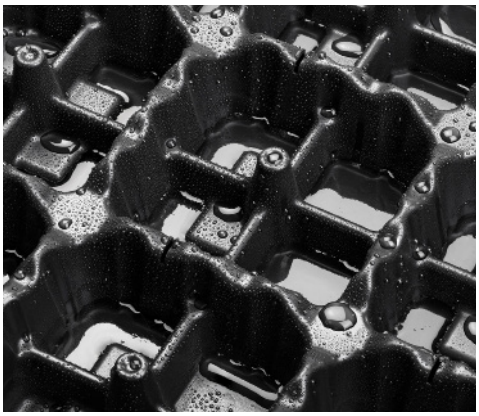
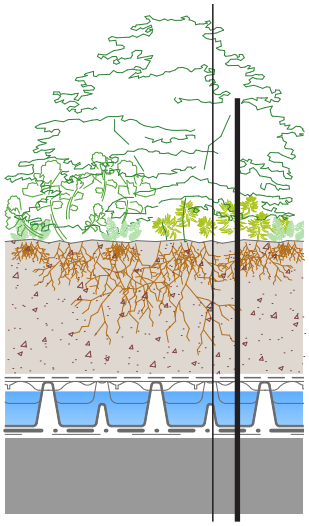
DiaDrain-60H

Water-retention and drainage board
310233

ADVANTAGES

- High rain- and irrigation-water retention ⇨ approx. 30,5 l / m² water storage capacity
- Increased contact surface ⇨ heightened protection of the waterproofing through the favorable weight distribution
- Long-term ventillation of the root area ⇨ increased diffusion openings
- 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 ⇨ Flooding height with approx. 50 mm; with the combination of DiaDrain-60H-UP as a DiaDrain-120 WM watermanagement system up to 100 mm water level





DIADEM® BUILD-UP

- intensive vegetation
- intensive substrate
- VLF-200 separation and filter geotextile
- DiaDrain-60H drainage board
- VLS-500 protection geotextile with moisture retention
- root-resistant waterproofing membrane
- additional layers

CE EN 13252

100% recyclable

Microbiological resistance
EN 12225

APPLICATION

Rainwater-retention and flow-delay drainage board for semi-intensive or intesive roof gardens, for green roofs with flooded irrigation system and for paved roofs with sporadical traffic, eg. car parks.

European Technical Assessment ETA ETA-17/1015
Deutsches Institut für Bautechnik DIBt

SPECIFICATION

Rainwater-retention and flow-delay drainage board with ETA and CE marking, made of recycled high-impact polystyrene (HIPS), 60 mm high, for semi-intensive or intesive roof gardens, and for green roofs with flooded irrigation system up to a water level of approx. 50 mm (even up to approx. 100 mm when used in the DiaDrain-120 WM System), and for paved roofs with sporadical traffic, eg. car parks, when filled and laid with bedding layer above the filter fleece. With overlapping strip around the board, dam grid structure.

Product: DIADEM® DiaDrain-60H
Producer's certificate: A.P.P. Kft.
Website: www.diadem.com

TECHNICAL DATA

Board size (mm):	1940 x 940 x 60
Water storage capacity (l / m²):	30.45
Fire classification:	Class E regarding DIN EN 13501-1
Fill-up volume (l / m²):	approx. 40
Weight (kg / m²):	2.2
Compressive strength unfilled (kN / m):	122
Material:	recycled high-impact polystyrene (HIPS)
Water flow capacity EN ISO 12958 (l / m^{x}s):	at 2%: 2.02 • at 5%: 3.32 • at 10%: 4.78
Storage:	horizontally, for long-term storage protect from UV radiation
Installation:	collided, covered immediately after laying

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nqa ISO 9001 QUALITY MANAGEMENT UKAS MANAGEMENT SYSTEMS 0015
nqa ISO 14001 ENVIRONMENTAL MANAGEMENT UKAS MANAGEMENT SYSTEMS 0015

PRODUCT INFORMATION SHEET

DiaDrain-60H

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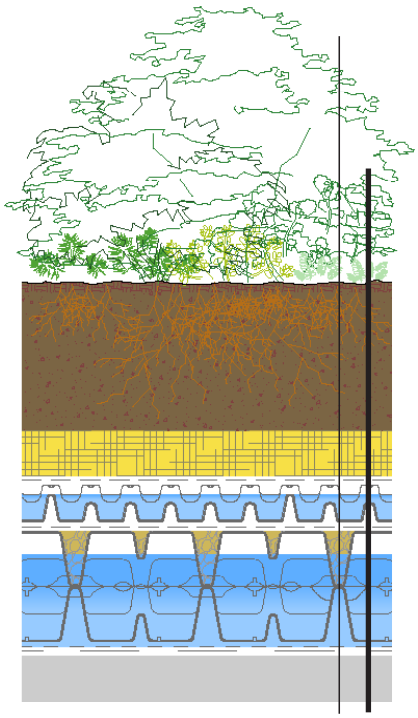
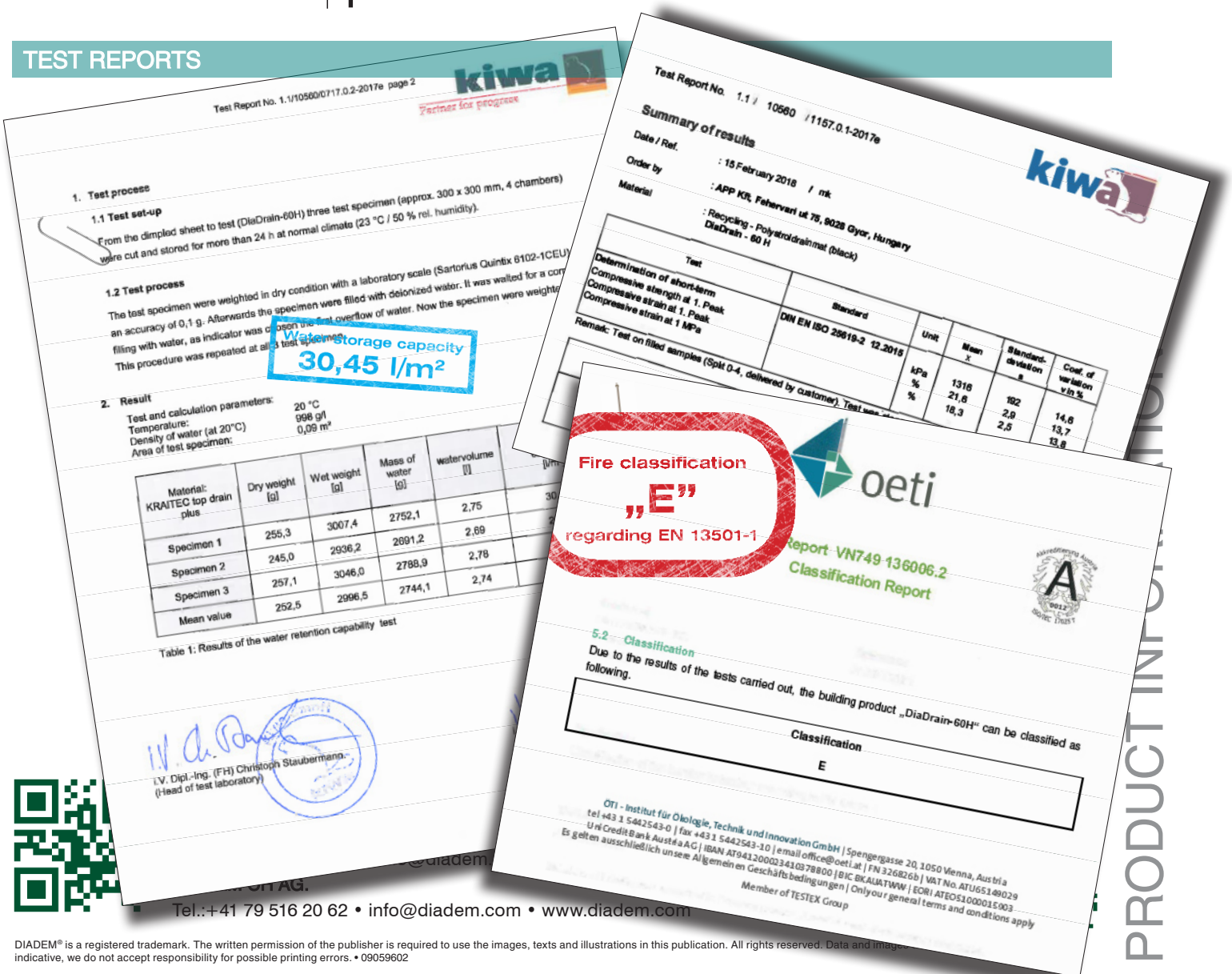
DIADEM® APPLICATION EXAMPLE - FLOODED ROOF



- intensive vegetation
- intensive substrate
- DiaWool I50 mineral wool
- VLF-150 separation and filter geotextile
- DiaDrain-40H drainage board
- VLF-200 separation and filter geotextile
- DiaDrain-120 WM (DiaDrain-60H + DiaDrain-60H-UP) drainage board
- VLS-500 protection geotextile with moisture retention
- root-resistant waterproofing membrane
- additional layers

TEST REPORTS



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PRODUCT INFORMATION