

# Installation Instruction

## Drainage and Storage Board FKD 25

### 1.) **Description:**

Plastic panel manufactured from deep-drawn recycled HDPE, with water storage capacity, a channel system on the underside for drainage, and overflow holes in the centre bars.

### 2.) **Field of Application:**

- For drainage purposes below extensive green roofs (single and multi-layer build up's from 0-5° pitch)
- As a filled drainage layer beneath paving.
- Approved for installation on inverted roofs.

### 3.) **Delivery:**

- On Euro pallets
- Panel measurements: 2,000 mm x 1,000 mm



### 4.) **Storage:**

- Flat, dry storage. For longer storage periods protection against UV-radiation is necessary

### 5.) **Installation**

#### a. **Below extensive green roof areas as a single layer build-up**

- Installation on a suitable protection layer, longitudinal and transverse joints should be overlapped by 1-2 corrugations, wide corrugation peak should face upwards (FKD 25 mark must be visible from above) avoiding cross
- Without filter mat, directly filled up with Substrate type M or type L.

#### b. **Below extensive green roof areas as multi-layer build up**

- Installation on suitable protection layer, wide corrugation peak should face upwards (FKD 25 mark must be visible from above) avoiding cross joints.
- A filter mat should be placed on top of the FKD 25 with a minimum 100 mm overlap
- Substrate type E should be applied over the filter mat, according to the specified depth.

#### c. **Below paving with infrequent or temporary pedestrian access**

- Installation on a suitable protection mat, longitudinal and transverse joints should be overlapped with 1-2 corrugations, wide corrugation peaks should face downwards (FKD 25 mark not visible from above), avoiding cross
- Application without filter mat directly filled with levelling substrate (feg. high quality chippings, 2/5 or Perl 2/10), paving on top. As far as possible fill depth of 100 mm should not be exceeded. Manual tamping of the paving area
- No use of bulk material with 0 grain

#### d. **Other Specifications:**

- Long term storage in sunlight and heating of the drainage boards beyond 60°C should be avoided
- Drainage boards should be filled with substrate or water immediately after installation to protect against wind uplift.
- Around roof outlets the inner dimensions of the inspection chamber must be cut out of the drainage board, to ensure a sufficient level of water discharge; afterwards the inspection chamber will be placed on the FKD board and filter mat respectively.

### 6.) **Applicable Standards and Guidelines:**

Please ensure that all national relevant technical standards (eg. FLL Guidelines) are followed during the specification and installation stages.