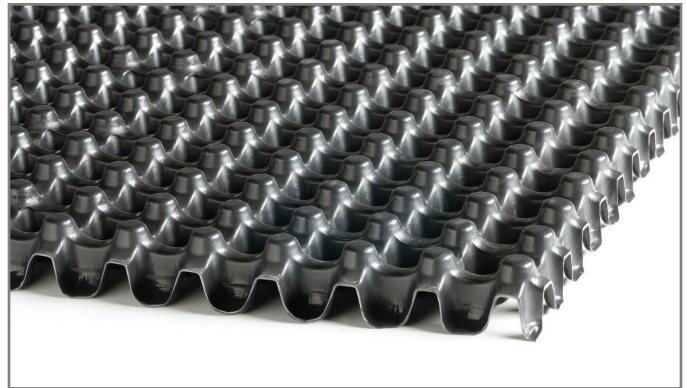


## SEMI-INTENSIVE 1.6" DRAINAGE / RETENTION BOARD

Our Semi-Intensive 1.6" Drainage / Retention (DR) Board is designed for semi-intensive vegetated roofs where water storage is required. Specific to this product, it:

- is a semi-rigid waffled plastic sheet that **retains water within pockets** on the upper side, making water available to vegetation
- has **drill holes to drainage channels** for diffusion and irrigation
- channels surplus water through its **bottom-sided canal system** for secure drainage
- allows for the incorporation of a complete array of zone appropriate **perennials and ornamental grasses**; in a 6-12" depth assembly



Drainage and Storage Board FKD 40 by

**OPTIGRÜN**  
ROOF GREENING



LEED Credits available for:  
• Materials & Resources (MR)



- Individual Unit
- Full Section
- Full Pallet



- 21.52 ft<sup>2</sup> per Unit
- 50 Units per Section (1,076 ft<sup>2</sup>)
- 6 Sections per Pallet (6,456 ft<sup>2</sup>)

### TECHNICAL DATA

**Materials:**

- Recycled HDPE

**Material Thickness:**

- 1.57"

**Board Dimensions (W x L):**

- 3' 3 3/8" x 6' 6 3/4"

**Board Area:**

- 21.52 ft<sup>2</sup>

**Board Weight:**

- 0.47 lbs. / ft<sup>2</sup>

**Compressive Strength:**

- 20.88 lbs. / in<sup>2</sup> (unfilled)
- 40.61 lbs. / in<sup>2</sup> (filled)

**Water Holding Capacity:**

- 0.34 in<sup>3</sup> / in<sup>2</sup> (0.213 gal / ft<sup>2</sup>) (unfilled)
- 0.63 in<sup>3</sup> / in<sup>2</sup> (0.393 gal / ft<sup>2</sup>) (filled)

**Drainage Performance (fully saturated):**

- at 1% Slope = 29.76 in<sup>3</sup> / ft / sec
- at 2% Slope = 42.96 in<sup>3</sup> / ft / sec

**Vegetated Roofing Use:**

- Semi-Intensive vegetative roofs using a complete array of zone appropriate perennials and ornamental grasses

**Installation Requirements:**

- Overlap boards by one cup
- Cover boards with overburden immediately to protect from UV rays & wind uplift