

## INTENSIVE 2.4" DRAINAGE / RETENTION BOARD

Our Intensive 2.4" Drainage / Retention (DR) Board provides water storage for intensive roofs with large plant palettes. Specific to this product, it:

- is a plastic panel 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 **plantings, including shrubs & trees**, in a greater than 12" depth assembly
- **transfers loads uniformly** to the substructure via large contact areas



Protection and Drainage Board FKD 60BO by

**OPTIGRÜN**  
ROOF GREENING



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



• Special order product



• Individual Unit  
• Full Section  
• Full Pallet



• 24.75 ft<sup>2</sup> per Unit  
• 30 Units per Section (742.5 ft<sup>2</sup>)  
• 6 Sections per Pallet (4,455 ft<sup>2</sup>)

### TECHNICAL DATA

**Materials:**

- Recycled HDPE

**Material Thickness:**

- 2.36"

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

- 3' 3 1/2" x 7' 8 1/8"

**Board Area:**

- 24.75 ft<sup>2</sup>

**Board Weight:**

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

**Compressive Strength:**

- 94.27 lbs. / in<sup>2</sup> (filled)

**Water Holding Capacity:**

- 0.91 in<sup>3</sup> / in<sup>2</sup> (0.564 gal / ft<sup>2</sup>) (filled)

**Drainage Performance (fully saturated):**

- at 1% Slope = 29.38 in<sup>3</sup> / ft / sec
- at 2% Slope = 42.59 in<sup>3</sup> / ft / sec

**Vegetated Roofing Use:**

- High load capacity systems that harvest stormwater and cool buildings

**Installation Requirements:**

- Butt boards tight together
- Cover boards with overburden immediately to protect from UV rays & wind uplift