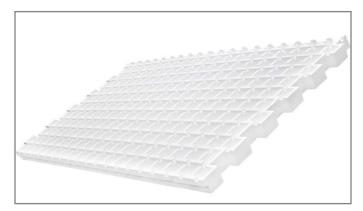
734

# 2.3" SLOPED LIGHTWEIGHT DRAINAGE / RETENTION BOARD

Our 2.3" Sloped Lightweight Drainage / Retention (DR) Board is designed for drainage, slippage prevention, and water storage on extensive vegetated roofs with a slope of up to 35°. Specific to this product, it:

- is a waffled EPS panel that **retains water within pockets** on the upper side, making water available to vegetation
- has good water storage functionality due to the cascadelike overflow of overlapping chambers
- permanently **protects against slippage** of the vegetated roof by filling the storage chambers with substrate
- channels surplus water through its **bottom-sided canal system** for secure drainage
- allows for the incorporation of a complete array of zone appropriate **drought tolerant plantings**; in a less than 6" depth assembly



Product #

Pitched Roof Board FKD 58SD by





• Special order product



- Full Pallet
- Full Load



- 40 Boards per Pallet (358 ft²)
- 24 Pallets per Load (8,592 ft<sup>2</sup>)

# TECHNICAL DATA

#### Materials:

• High Strength Expanded Polystyrene (EPS)

# **Material Thickness:**

• 2.28"

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

• 2' 4 1/8" x 3' 9 7/8"

#### Board Area:

• 8.96 ft<sup>2</sup>

### **Board Weight:**

• 0.18 lbs. / ft<sup>2</sup>

### Water Holding Capacity (filled):

- 0.17 in<sup>3</sup> / in<sup>2</sup> (0.105 gal / ft<sup>2</sup>) (15° Slope)
- 0.13 in<sup>3</sup> / in<sup>2</sup> (0.078 gal / ft<sup>2</sup>) (25° Slope)

## Drainage Performance (fully saturated):

- at  $10^{\circ}$  Slope = 29.01 in<sup>3</sup> / ft / sec
- at  $20^{\circ}$  Slope = 41.66 in<sup>3</sup> / ft / sec
- at  $30^{\circ}$  Slope =  $54.68 \text{ in}^3 / \text{ft} / \text{sec}$

#### **Vegetated Roofing Use:**

• Extensive sloped vegetative roofs with a slope between 15° & 35° using a complete array of zone appropriate drought tolerant plantings

#### **Installation Requirements:**

- Butt boards tight together
- Fill boards directly with substrate immediately to protect from wind uplift