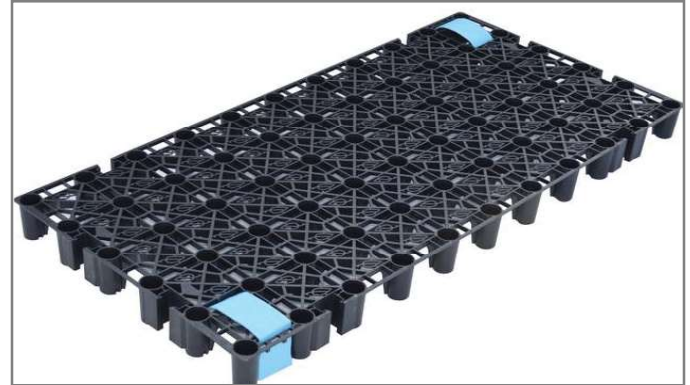


BLU-VAULT 3.34" SEMI-INTENSIVE RETENTION BOARD

Our Blu-Vault 3.34" Drainage / Retention (DR) Board integrates with raised roof drains to provide water storage and stormwater discharge delay. Specific to this product, it:

- is a lightweight, sub-surface **structural drainage module** used where a high capture and discharge rate of water and high compressive strength is required
- has **95% internal void volume** that allows for a large water retention capacity
- significantly **reduces daily irrigation needs**
- is available with special **capillary columns for vertical water transport** between the reservoir and vegetation layers



Water Retention Box WRB 85 by

OPTIGRÜN[®]
ROOF GREENING



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



• Special order product



• Individual Layer
• Full Pallet
• Full Load



• 7.55 ft² per Board
• 48 Boards per Pallet (362.4 ft²)
• 24 Pallets per Load (8,697.6 ft²)

TECHNICAL DATA

Materials:

- Recycled Polypropylene

Material Thickness:

- 3.34"

Board Dimensions (W x L):

- 3' 10 27/32" x 1' 11 1/4"

Board Area:

- 7.55 ft²

Board Weight:

- 1.16 lbs. / ft²

Compressive Strength:

- 116.03 lbs. / in²

Water Holding Capacity:

- 3.15 in³ / in² (1.963 gal / ft²)

Drainage Performance (fully saturated):

- at 0% Slope = 52.08 in³ / ft / sec
- at 1% Slope = 112.90 in³ / ft / sec
- at 2% Slope = 160.51 in³ / ft / sec

Vegetated Roofing Use:

- Stormwater discharge delay, harvesting, and building cooling through raising roof drains and covering with a filter fleece

Installation Requirements:

- Interlock using dove-tail connectors on each side or butt boards tight together
- Cover boards with overburden immediately to protect from UV rays & wind uplift