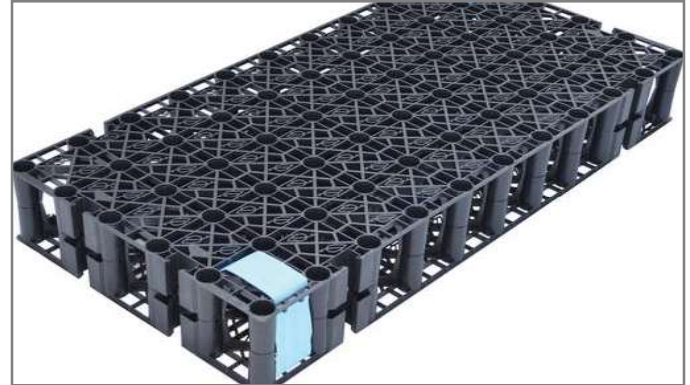


BLU-VAULT 6.69" PLAZA DECK RETENTION BOARD

Our Blu-Vault 6.69" 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 170 by

OPTIGRÜN[®]
ROOF GREENING



• Special order product



- Individual Layer
- Full Pallet
- Full Load



- 7.55 ft² per Board
- 24 Boards per Pallet (181.2 ft²)
- 24 Pallets per Load (4,348.8 ft²)



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

TECHNICAL DATA

Materials:

- Recycled Polypropylene

Material Thickness:

- 6.69"

Board Dimensions (W x L):

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

Board Area:

- 7.55 ft²

Board Weight:

- 2.33 lbs. / ft²

Compressive Strength:

- 116.03 lbs. / in²

Water Holding Capacity:

- 6.33 in³ / in² (3.95 gal / ft²)

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