

BLU-VAULT 3.2" EXTENSIVE RETENTION BOARD

Our Blu-Vault 3.2" 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 **multifunctional drainage module** used with extensive greenroofs with sedum, herb, grass, and perennial vegetation
- has **90% 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 80F by

OPTIGRÜN®
ROOF GREENING



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



• Special order product



• Individual Unit
• Full Pallet
• Full Load



• 11.63 ft² per Board
• 200 Boards per Pallet (2,325 ft²)
• 12 Pallets per Load (27,900 ft²)

TECHNICAL DATA

Materials:

- Recycled HDPE

Material Thickness:

- 3.15"

Board Dimensions (W x L):

- 1' 9 21/32" x 6' 5 21/64"

Board Area:

- 11.63 ft²

Board Weight:

- 0.74 lbs. / ft²

Compressive Strength:

- 14.5 lbs. / in²

Water Holding Capacity:

- 2.84 in³ / in² (1.77 gal / ft²)

Drainage Performance (fully saturated):

- at 1% Slope = 46.5 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:

- Fold board lengthwise & engage the click lock
- Overlap boards with locking side against hinge side
- Cover boards with overburden immediately to protect from UV rays & wind uplift