### GREEN ROOF

# Technical Data Sheet MOY 40mm Drainage & Reservoir Board

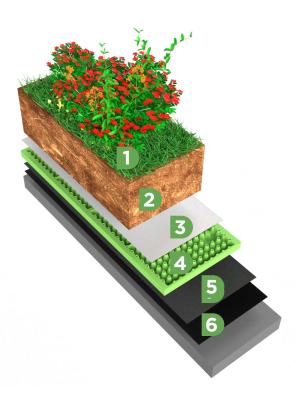


### **Product Description / Use:**

Moy 40 mm Drainage & Reservoir layer is a drainage and water storing board, CE-certified according to standard EN 13252, with absorption openings, made of recycled polystyrol (HIPS) for extensive and semi-intensive green roof application.

#### **Kev Features:**

- Increased water storing capacity ca. 24 l/m<sup>2</sup> rainwater
- Terrace build-up application possible 625 kN/m<sup>2</sup> compressive strength with only 2 mm deformation
- 3-level waterflow system stormwater channel with increased drainage capacity, rainwater channels between the dimples and slow-water flow surface below the dimples
- Rounded element corners reduced risk of injury for workers and safety for the waterproofing membrane
- Simple logistics product on 2 x 1 metre stackable pallets
- Fast consigment exactly 2 m² per element, fast on the construction site and in the warehouse



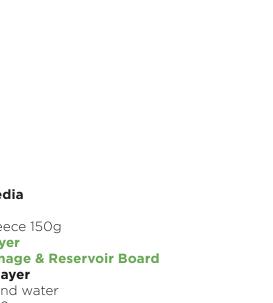
- 1. MOY Vegetation
- 2. MOY Growing Media
- 3. MOY Filter layer

MOY Filtration Fleece 150g

4. MOY Drainage layer

**MOY 40mm Drainage & Reservoir Board** 

- 5. MOY Protection laver MOY Protection and water storage fleece 500g
- 6. MOY Waterproofing System
- 7. Roof construction





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#### **Technical Specification:**

Technical Data			
		Tolerance	Standard
Material	Recycling-Po	Recycling-Polystyrol (HIPS)	
Dimension (I x w) (mm)	1995 x 1003	±10	-
Height (mm)	40	±4	-
Weight (kg/m²)	1,92	±0,1	-
Overlap (%)	3	-	-
Water storage capacity (I/m²)	23,3	±0,8	-
Filling volume (I/m²)	23,3	±0,8	-
Compressive strength empty (kN/m²)	280	±40	EN ISO 25619
Compressive strength filled - by compression - 8% (kN/m²)	625	±80	EN ISO 25619
Compressive strength filled -max. (kN/m²)	>1000	±80	EN ISO 25619
Water flow capacity i=0,01* (I/m*s)	0,85	±0,05	EN ISO 12958
Water flow capacity i=0,02* (I/m*s)	1,22	±0,05	EN ISO 12958

<sup>\*</sup>water flow under the sheet,  $\sigma$  = 20 kPa

### **Application:**

Moy 40 mm Drainage & Reservoir layer has an excellent water storing and water flow capacity with a very high compressive strength.

Rainwater channel
Overlapping

Rainwater channel
Rainwater channel

Slow-water flow surface

Slow-water flow surface

### **Delivery form:**

Pallet

### Storage:

These items require an appropriately sized pallet which fits the dimensions of the batch of products it contains. Once the consignment is opened, the items should be transported using a pallet with the same dimensions. Pallets can be stacked if there is a cover-frame on the top of the bottom pallet. Can be stored outside if the UV resistant foil is intact, otherwise store inside or protect from direct sunlight.

MOY Materials Ltd has taken care to ensure that the information provided in the literature is correct and up to date. However, it is not intended to form any part of a contract or provide a guarantee. Purchasers/intending purchasers should contact MOY Technical to check whether there have been any changes to the information since publication of the literature. Please ensure you have read the hazard labels and material safety data sheet before using this product.

