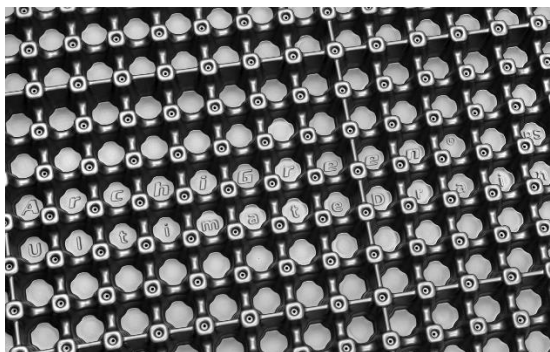


# UltimateDrain® 40 drainage board

Part No.: 1205



## Application area

UltimateDrain® 40 is a highly versatile, multi-functional drainage board for virtually any form of green roof landscaping. UltimateDrain® 40 boards are very popular among contractors in Europe and overseas because they are very sturdy, lightweight, and easy to install in a green roof build-up below the filter layer. UltimateDrain® 40 are outstanding water reservoir and drainage boards on green roofs.

## Benefits

- ☑ stores more than 21 litres of water per square metre
- ☑ excellent drainage and ventilation properties
- ☑ exceptionally high compressive strength
- ☑ when filled with crushed brick can be installed under wooden decks, paving slabs, walkways, and driveways
- ☑ environmentally conscious production technology according to ISO14001
- ☑ made of recycled polystyrene

## Technical data

Material	100% recycled polystyrene
Method of production	Thermoformed on both sides
Height / Width / Length	40 / 990 / 2106 mm
Area of board	2.085 m <sup>2</sup>
Weight per unit area	2.257 kg/m <sup>2</sup>
Water retention capacity	21.26 l/m <sup>2</sup>
Filling volume (filled with substrate)	23.73 l/m <sup>2</sup>
Max. compressive strength	
empty	345 kN/m <sup>2</sup>
infilled: 4-8 mm gravel	> 500 kN/m <sup>2</sup>
(EN ISO 25619-2:2009)	
Horizontal water discharge capacity	
i=0,020 (2% fall)	1.06 l/m·s
i=0,030 (3% fall)	1.41 l/m·s
i=1	14.56 l/m·s
(EN ISO 12958, at 20 kPa)	
Rate of drainage through perforation (under 5 mm permanent water press.)	0.32 l/m <sup>2</sup> ·s
Colour	Black
CE marking	Affixed
Packaging unit	452 m <sup>2</sup> / pallet (217 boards)



## Specification suggestion

ArchiGreen® UltimateDrain® 40 is a CE-marked, double-sided, water reservoir and drainage layer with high load-bearing capacity made of recycled high impact polystyrene. Diffusion openings cover the entire surface of one side. This layer provides the necessary aeration and durability of green roofs in the long run. Retention capacity: (water) 21.26 l/m<sup>2</sup> (crushed brick infill) 23.73 l/m<sup>2</sup>; compressive strength EN ISO 25619-2:2009: 345 kN/m<sup>2</sup>; water discharge capacity at i=0.03 (3%) EN ISO 12958/2010: 1.41 l/m·s; surface weight: 2.257 kg/m<sup>2</sup>; board size: 2106x990x40 mm (2.085 m<sup>2</sup>); laid by overlapping a single corrugation.

## Installation example

