

Product data sheet

Item number: 152020

Drainage & water storage element CG-DW 40

For intensive green roofs, as well as the gravel and paved areas on them, with high water storage and compression strength



Technical data

Material	HIPS (high impact resistant recycled polystyrene)
Nominal thickness	approx. 40 mm
Weight	approx. 1.960 g/m ²
Water storage capacity unfilled	approx. 19,6 l/m ²
Filling volume	approx. 22,8 l/m ²
Compression strength unfilled (DIN EN ISO 25619-2)	approx. 338 kN/m ²
Compression strength backfilled at 10 % compression (DIN EN ISO 25619-2)	approx. 588 kN/m ²
Water drainage capacity (DIN EN ISO 12958) measured at $\sigma = 20$ kPa	at 1% slope: 0,70 l/m*s at 2% slope: 1,01 l/m*s at 5% slope: 1,63 l/m*s
Dimensions	Sheet dimensions: approx. 2,04 x 1,04 m (2,12 m ²) Packing size: approx. 2,05 x 1,10 x 1,20 m (L x W x H)
Delivery form	130 panels on one-way pallet 110 x 205 cm
Delivery weight	approx. 560 kg per pallet
Storage	Horizontal and UV-protected



Suggested tender text:

ClimaGrün drainage & water storage element CG-DW 40 for intensive green roofs, as well as the gravel and pavement surfaces lying on them, with high water storage and pressure resistance with the following properties:
Material recycled polystyrene (HIPS), nominal thickness approx. 40 mm, weight approx. 1,96 kg/m², water storage capacity approx. 19,6 l/m², filling volume approx. 19,6 l/m², compression strength unfilled (DIN EN ISO 25619-2) approx. 338 kN/m² and filled (DIN EN ISO 25619-2) approx. 588 kN/m², water drainage capacity (DIN EN ISO 12958) measured at $\sigma = 20$ kPa and 2% slope approx. 1,01 l/m*s, supply and lay professionally.