

# Bauder Drainage and Storage Element DSE 40

## Technical Data Sheet

Application area	<b>Pressure resistant drainage and storage panel for roof greening and traffic areas</b>
Article number	<b>7468 0040</b>

Characteristic	Unit	Value	
Material		HDPE, black	
Weight	kg/m <sup>2</sup>	1.8	
Thickness	mm	1.8	
Height of neps	mm	40	
Water storage capacity	l/m <sup>2</sup>	13.5	
Filling volume	l/m <sup>2</sup>	21.0	
Bottom seating surface	%	42	
Compressive strength	kPa	80	
Water drainage capacity in the plain according DIN EN ISO 12958, load 20 kPa			
Hydraulic gradient		longitudinal direction	transversal direction
i = 0.01 (slope 1 %)	l/(m·s)	0.75	0.65
i = 0.02 (slope 2 %)	l/(m·s)	1.08	0.96
Measurements	m	1.04 x 2.03	
Packaging unit		board of 2.1 m <sup>2</sup>	

### Installation details

#### Green areas

Drainage and reservoir panel DSE 40 is laid loose on the protection layer without overlapping. Cover with filter fleece.

#### Walkable traffic areas

Drainage and reservoir panel DSE 40 is laid loose on the protection layer with an overlapping of one nep row and filled with grit 2/5 mm. Recommended layer thickness: 3-5 cm above top edge of DSE 40.

#### Car-trafficable area

Drainage and reservoir panel DSE 40 is laid loose on the protection layer with an overlapping of one nep row and filled with drainage concrete. Minimum layer thickness of drainage concrete: 15 cm above top edge of DSE 40.