

# Bauder Drainage and Storage Element DSE 20/1

## Technical Data Sheet

Application area	<b>Pressure resistant drainage and storage panel for roof greening and walkable traffic areas</b>
Article number	<b>7468 0025</b>

Characteristic	Unit	Value	
material		Regenerated HDPE, black	
weight	kg/m <sup>2</sup>	1.0	
thickness	mm	1.0	
height of neps	mm	20	
water storage capacity	l/m <sup>2</sup>	7.2	
volume	l/m <sup>2</sup>	10.5	
bottom seating surface	%	37	
compressive strength			
according DIN EN ISO 25619-2	kPa	219	
filled with grit 2/5	kPa	> 500	
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)	0.54	0.48
i = 0.02 (slope 2 %)	l/(m·s)	0.78	0.68
measurements	m	1.06 x 2.36	
Packaging unit		board of 2.5 m <sup>2</sup>	

### Installation details

#### Green areas

Drainage and reservoir panel DSE 20/1 is laid loose on the protection layer without overlapping. Cover with filter fleece.

#### Walkable traffic areas

Drainage and reservoir panel DSE 20/1 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 20/1.

For better overlap the outer knobs of the DSE 20/1 are widened along the long side of the panel. The widened row of knobs is marked with a cross.