

Bauder Drainage and Storage Element DSE 20

Technical Data Sheet

Application area	Pressure resistant drainage and storage panel for roof greening and walkable traffic areas
Article number	7468 0020

Characteristic	Unit	Value	
material		HDPE, black	
weight	kg/m ²	1.2	
thickness	mm	1.2	
height of neps	mm	20	
water storage capacity	l/m ²	7.4	
volume	l/m ²	10.0	
bottom seating surface	%	49	
compressive strength			
according DIN EN ISO 25619-2	kPa	120	
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)	0.29	0.29
i = 0.02 (slope 2 %)	l/(m·s)	0.43	0.42
measurements	m	1.06 x 2.36	
Packaging unit		board of 2.5 m ²	

Installation details

Green areas

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

Walkable traffic areas

Drainage and reservoir panel DSE 20 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.