

TECHNICAL DATA SHEET

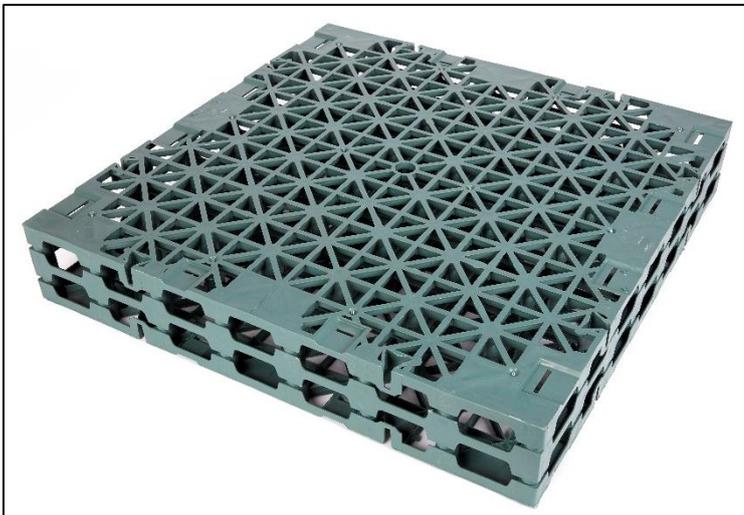
BauderGREEN RWR 100 blue roof attenuation cell

Multi-directional drainage layer. Used primarily in Bauder Blue Roof Systems.

Intended Use

Designed to hold storm water during severe rain events. The product is over 95% void. It has excellent compressive strength for use under green roofs and hard landscaping surfaces. Attenuation Cell 100 is laid on a protection layer above the completed waterproofing to provide continuous drainage within hard and soft landscaping.

The Cross Connectors connect the cells together horizontally, the Shear connectors connect two layers of cells should they be required.



Attenuation Cell 100



Attenuation Cell Cross Connector - Deep



Attenuation Cell Shear Connector

ATTENUATION CELL PRODUCT INFORMATION AND TECHNICAL PERFORMANCE			
Characteristic	Test method	Unit	Value
Weight (dry)	-	Per piece	2.9
		kg/m ²	8.05
Weight (saturated)	-	Per piece	2.9
		kg/m ²	8.05
Water storage	-	m ²	0.34 per piece (≥94.4%)
			Total capacity would be >91ltrs/m ²
Compressive strength	EN ISO 10319	N/m ²	≥400 KN/m ² Vertically ≥100 KN/m ² Laterally
Depth	-	mm	100
Size	-	m	0.6 x 0.6
Approximate coverage	-	m ²	0.36 (2.77 pieces per m ²)

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ATTENUATION CELL CROSS CONNECTORS – DEEP/SHEAR CONNECTORS			
PRODUCT INFORMATION AND TECHNICAL PERFORMANCE			
Characteristic	Unit	Cross Connector – Deep Value	Shear Connector (vertical) Value
Weight	kg	0.1	0.08
Size	mm	40 x 25 x 23	40 x 25 diameter
Number per bag	Number	500	500
Minimum numbers of connectors per cell	N/m ²	2 (or as required)	1 (or as required)
Approximate coverage per bag	mm	90m ² (based on 2 per cell)	180m ² (based on 1 connector per cell)

CERTIFICATION AND ENVIRONMENTAL INFORMATION	
DIBt DIN EN ISO 1183- 1 Plastic Density	0.95 g/cm ³ – 1.10 g/cm ³
RAL-GZ 994/11 Germany	RAL Deutsches Institut für Gütesicherung und Kennzeichnung e.V. and protected by registration with the German Patent and Trademark Office as a collective mark. Quality mark rainwater systems
Manufactured from	High Density Polypropylene (100% recycled material)

INSTALLATION GUIDANCE
Normally installed over a protection layer, cells are clipped together using cross connectors (ordered separately) to form a single layer over the entire blue roof area. If a second layer is required then shear connectors are required to connect the two layers.
See Bauder’s Blue Roof Installation Guide for full details.

Bauder reserves the right to amend information and product specifications without prior notice. All reasonable care has been taken to ensure that all data is current at the time of print, however because Bauder pursues a policy of constant development we recommend ensuring that your copy of this information is current by contacting our Technical Department at technical@bauder.co.uk

Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications, installation techniques and any applicable laws and regulations.

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