

TECHNICAL DATA SHEET

BauderGREEN RE 40 drainage & attenuation board

Water attenuation and multi-directional drainage layer, used on roofs below five degree pitch. Made from 100% recycled high-density polyethylene. Designed with a micro weep hole in the centre of each cell, give short term attenuation water storage for a green roof build up or as a drainage layer for hard landscaping.



Intended Use

Used as a drainage layer and as a permanent shuttering for hard landscaping finishes (both permeable and non-permeable paving). It can be filled with sand/cement, gravel or Bauder Mineral Drain.

Used as a drainage and attenuation layer when combined with Bauder ST adjustable flow restrictor and BauderGREEN SUB-RE Substrate within a green roof build-up.

The profile of the RE 40 is similar to that of the DSE 40 drainage board and one can nest into the other if necessary. The micro weep hole is only present in the RE 40.

PRODUCT INFORMATION AND TECHNICAL PERFORMANCE

Characteristic	Test method	Unit	Value
Length	EN 1848-1	m	2.03
Width	EN 1848-1	m	1.04
Thickness	EN 1849-1	mm	2
Depth	EN 1849-1	mm	40
Approximate Coverage		m	2
Size of micro weep hole		mm	Less than 1
Weight (dry)	EN 1849-1	kg	1.8
Weight (saturated)	EN 1849-1	kg	15.3
Water holding Capacity		L	13.5
Filling capacity (for Mineral Drain)		L	21
Contact Surface of Underside		%	42
Compressive Strength when empty	EN 1849-1	KN	80
Compressive strength when filled with Bauder Mineral Drain		KN	1,000
Material			100% Recycled high density polyethylene
Packaging			Interlocked loose laid on pallets
Storage			During prolonged storage avoid direct sunlight

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CERTIFICATION AND ENVIRONMENTAL INFORMATION

International Standards Organisation (ISO)	ISO 9001:2015 Quality Management Certificates EN1271 (UK) and 70499/03-15_e (Germany).
	ISO 14001:2015 Environmental Management Certificates A10552 (UK) and 70499/03-15_d (Germany).
	ISO 50001: 2011 Energy Management Certificate 70499/03-15_c (Germany)
Recycled Content	100% recycled high density Polyethylene

INSTALLATION GUIDANCE

BauderGREEN RE 40 is normally fitted above a Protection Mat. The boards are laid open cell up and overlapped by one full cell to lock them together. They are not recommended for slopes of over 5 degrees. See Bauder Green Roof Installation Guide for further installation details.

Bauder reserves the right to update this data set without prior notice and this document is uncontrolled if printed or stored. Always confirm the latest version is used for the adoption of this product, available from our website: bauder.co.uk/technical-centre.

Intended use of this product should be verified with Bauder to ensure suitability and compliance with applicable guidance, regulations, legislations, project requirements, specifications, and installation techniques.

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