

PRODUCT DATA SHEET

Bauder DSE40 Drainage and Water Storage Layer

HDPE Water storage and multi-directional drainage layer. Used on roofs below 5° pitch.

**Intended Use**

Laid on to the completed waterproofing to provide continuous drainage within hard and soft landscaping. It is primarily used where the load is moderate to high, such as extensive and intensive green roofs. Its compressive strength, makes it suitable beneath paving laid on sand/cement or gravel bedding or within planter beds. Normally laid over a protection layer.

PRODUCT INFORMATION AND TECHNICAL PERFORMANCE

Characteristic	Test method	Unit	Value
Weight (dry)	EN 1848-1	Kg/m ²	1.8
Weight (saturated)		Kg/m ²	15.3
Water storage capacity		Ltr	13.5
Filling capacity (for mineral drain etc)		Ltr	21
Compressive Strength		N/m ²	80 KN/m ² empty ≥1000 KN/m ² filled
Material			Recycled high density polyethylene
Nominal thickness		mm	2
Depth		mm	40
Size		m	1.04 x 2.03 (2.1 m ²)
Approx. Coverage		m ²	2

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 (German)
Recycled content	100% recycled high density polyethylene

INSTALLATION GUIDANCE

Normally installed over a protection layer, sheets are laid (open cells up) over entire areas. Interlock by overlap each sheet by one full cup. See Bauder's Green 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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