

Technical Submission

Document No:	16WS-PAC-TS-003	Rev:	00
Project:	16 Whitfield Street	Project No:	302

To:	Make One Group	Date:	05/12/2024
From:	Pace Roofing		

Approval of the following equipment is required:

Equipment: Green Roof	Make: Bauder
Description/ location:	Main Roof – Green Areas
Design team spec refs/ Rev:	Q37
Design team Drg. Ref/Rev:	
BauderGREEN-DSE-40-drainage-board-Technical-data-sheet	

1	Equipment Specifying schedule	N	6	Builders work requirements	N
2	Manufacturers data	Y	7	Assembly & installation details	N
3	Design check calculations	Y	8	O&M instructions	N
4	Certified performance levels	Y	9	List of recommended spares	N
5	QA/ QC Documents	N			

*Compliance	The enclosed documents are specification compliant: Yes ✓/ No <input type="checkbox"/>				
Schedule of deviations	1.				
	2.				
	3.				
N.B in submitting this selected equipment we have not reviewed the total system and its performance against the design intent (to be changed dependant on D&B and designed projects)			Planned on site delivery: tbc		

MOG Reviewed & Checked

Name: _____ **Signed:** _____ **Date:** _____

Overall Status of Tech Submission

Name: _____ **Signed:** _____ **Date:** _____

Status A – Proceed no comments
Status B – Proceed including any comments
Status C – Do not proceed – re-issue including comments
Comments

TECHNICAL DATA SHEET

BauderGREEN DSE 40 drainage board

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 cels 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.

UNITED KINGDOM

Bauder Ltd
70 Landseer Road, Ipswich, Suffolk IP3 0DH
T: +44 (0)1473 257671 E: info@bauder.co.uk W: bauder.co.uk

IRELAND

Bauder Ltd
O'Duffy Centre, Carrickmacross, Co. Monaghan
T: +353 (0)42 9692 333 E: info@bauder.ie W: bauder.ie