

PRODUCT DATA SHEET

BauderGREEN SUB-RE UK blue roof substrate

This expanded clay aggregate has been developed as a substrate/growing medium, to be used as part of the BauderBLUE STORMsub roof system. The single grade particles are used with other Bauder drainage products to provide a SUDS solution at roof level. The substrate does not contain any free silica or other known hazardous substances.



Intended Use

The SUB-RE UK substrate is typically used below a Bauder green roof build up. The SUB-RE UK substrate provides an additional depth of substrate for the vegetation in the green roof systems. The substrate's large void ratio allows high levels of water storage making it a suitable blue roof void layer.

Additionally, it provides aeration with inherent water retention to help support green roof plants. Typically used with the Bauder RE 40 drainage board.

PRODUCT INFORMATION AND TECHNICAL PERFORMANCE

Characteristic	Test method	Unit	Value
Size	EN 1848-1	mm	4-8
Weight (saturated)		Kg/m ³	450
Weight (dry)		Kg/m ³	350
Water storage	EN 1109	lt/m ³	560 including between granules
pH Value	EN 1110	pH	7-8
Bulk bag size	EN 12311-1	m ³	2
Small bag size	EN 12311-1	lt	25
Compressive Strength	EN 1848-1	kPa	320-620
Deformation		%	2
Porosity between grains		%	37- 50
Friction Angle		°	35-42
Packaging		2 m ³ Bulk Bag	Woven polypropylene single use bulk bags delivered on pallets if required
		25 lt bags	Transparent Polypropylene Sacks - 40 per pallet
Storage			Avoid using crane straps prior to lifting to roof
			(There is no recycled content to the packaging)

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INSTALLATION GUIDANCE

Normally installed directly into the BauderGREEN RE 40 drainage board and filled with an even coverage to the required depth. To prevent dust, the material should be sprayed with water prior and after installation. The product should not be trafficked or left uncovered. Typically covered by Bauder Filter Fleece and Bauder biodiverse or extensive substrate.

Warning: SUB-RE UK is very light weight and should not be installed in high winds.

See Bauder's Green Roof Installation Guide for full details.

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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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