



Technical data sheet

BauderSMARAGD

Roofing membrane



V2 22/11/2022

Product description	Polymer bitumen dual formulation torch-on capping sheet. APP plastomeric top and SBS elastomeric bottom with root resistance according to FLL. The product features a 300g/m ² spunbond polyester/glass composite reinforcement to allow the finished product to cope with structural movement without fracture, and a mineral finish to provide protection against UV degradation.		 
Application fields	Root-resistant capping sheet used in a multi-layer flat roof system with a green roof landscaping finish.		
Surface	top:	Green-white mineral	
	bottom:	Thermofusible polyethylene	
Reinforcement type and weight	Polyester/glass composite fleece 300 g/m ²		
Article number	1715 0000		

Characteristic	Test method	Unit	Value
Length	EN 1848-1	m	5
Width	EN 1848-1	m	1
Thickness	EN 1849-1	mm	5,2
Mass per unit area	-	kg/m ²	6
Straightness	EN 1848-1	mm/10m	<20
Reaction to fire	EN 13501-1	Class	E
Watertightness	EN 1928	-	passed
Flexibility at low temperature top	EN 1109	°C	≤-25
Flexibility at low temperature bottom	EN 1109	°C	≤-40
Flow resistance at elevated temperature top	EN 1110	°C	≥150
Flow resistance at elevated temperature bottom	EN 1110	°C	≥120
Max. tensile force length	EN 12311-1	N/50mm	1450(±10%)
Max. tensile force transverse	EN 12311-1	N/50mm	1450(±10%)
Elongation at max. tensile force length	EN 12311-1	%	23(±3)
Elongation at max. tensile force transverse	EN 12311-1	%	23(±3)
Resistance to root penetration	FLL	-	passed



Notified body: GPB, 1724
EN 13707, EN 13969



Notified body: BBA 0836
BS EN 13707

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Characteristic	Test method	Unit	Value
Dimensional stability	EN 1107-1	%	≤0,1
External fire performance	CEN/TS 1187	-	Product has been fire tested as part of a system assembly and this information can be obtained in the Fire Test Report available from Bauder Ltd.

Product surface finish	The mineral surface finish is a natural rock, also containing slate, basalt, sand and other constituent parts. With this being a mixture of natural and man-made products, the raw material may differ in colour and shade, over which we have no control. There may also be colour variations between each roll of membrane for which the manufacturer assumes no liability. Over time the colour of the membranes could change due to weather and environmental influences.
Product storage guidance	On end/Upright - The membranes must also be protected from UV rays, moisture and heat.
Pallet size	Pallet size =24 rolls/120m ² per pallet
Storage temperature range	+5°C to +30°C
Packaging material	The product will be delivered on wooden pallets with plastic overwrap to protect the product. Each roll has a paper wrapping/tape to the external of the product, which must be removed before use.
Handling/PPE	All persons using the product should be fully aware of the manual handling methods as roofing materials are heavy and can cause serious injury. When using/handling the product, installers should be provided with, and wear, suitable personal protective equipment.
Shelf life	When stored correctly, the product has no stated shelf life, however, for extended periods beyond 5 years, we would suggest additional installation techniques may be required.
Disposal guidance	Bitumen waste can be disposed of with household waste or commercial waste similar to household waste (European waste catalogue EWC number 170302 "asphalt tar-free").
Re-use options of product	Please refer to EPD stated below in Certification and environmental information.
Further information/documents	Current documents such as DoC's, DoP's (where relevant), brochures, installation guides, etc. can be found by visiting www.bauder.co.uk
Certification and environmental information	<p>BBA Certificate No.: 10/4744</p> <p>Environmental Product Declaration: GlobalEPD-IntEPD S-P-00768</p> <p>International Standards Organisation (ISO): ISO 9001:2015 Quality Management Certificates EN1271 (UK) and 70499/03-15_e (Germany)</p> <p>ISO 14001:2015 Environmental Management Certificates A10552 (UK) and 70499/03-15_d (Germany)</p> <p>ISO 50001: 2011 Energy Management Certificate 70499/03-15_c (Germany)</p>
Safety Data Sheet	Safety Data Sheets are designed to provide the necessary information to recipients of substances and mixtures in the EU & UK. This product is classed as an article; therefore, this product does not have a requirement for a Safety Data Sheet.



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