

# Technical data sheet

## BauderTHERM DS 1 DUO

### Roofing membrane



04/06/2024

<b>Product description</b>	Elastomer bitumen air & vapour control layer, self-adhesive with variable technology for lap sealing. The two side laps of the membrane have differing finishes. On one lap there is a self-adhesive finish, whilst the opposite lap has a glass fleece. This allows the membrane to be sealed with either a gas torch or hot air welder.		
<b>Application fields</b>	Air & Vapour Control Layer for use in a warm roof flat roofing system. Top surface with heat-activated THERM-stripes for adhering certain insulation types.		
<b>Surface</b>	top:	THERM stripes, mica	
	bottom:	release film (cold self-adhesive bitumen underside)	
<b>Reinforcement type and weight</b>	aluminium-polyester-combination with 60g/m <sup>2</sup> glass fleece		
<b>Article number</b>	1661 0000		

Characteristic	Test method	Unit	Value
Length	EN 1848-1	m	7,5
Width	EN 1848-1	m	1.08
Thickness	EN 1849-1	mm	4
Mass per unit area	-	kg/m <sup>2</sup>	4,5
Straightness	EN 1848-1	mm/10m	<20
Reaction to fire	EN 13501-1	-	E
Watertightness	EN 1928	-	passed
Water vapour transmission	EN 1931	m	≥1500
Flexibility at low temperature top	EN 1109	°C	≤-25
Flexibility at low temperature bottom	EN 1109	°C	≤-25
Flow resistance at elevated temperature top	EN 1110	°C	≥70
Flow resistance at elevated temperature bottom	EN 1110	°C	≥70
Max. tensile force length	EN 12311-1	N/50mm	≥400
Max. tensile force transverse	EN 12311-1	N/50mm	≥300
Elongation at max. tensile force length	EN 12311-1	%	≥2
Elongation at max. tensile force transverse	EN 12311-1	%	≥2



Notified body: MPA Stuttgart, 0672  
EN 13970

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Characteristic	Test method	Unit	Value
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.

<b>Installation guidance</b>	If the laps of the membrane are heat sealed, the membrane can be used as temporary waterproofing. A temporary waterproofing is a temporary protection against rain. It is part of the concept of a temporary waterproofing, and this must be monitored during the construction phase and, inspected for damage prior to installation of the rest of the waterproofing system. If the membrane is left exposed after a maximum period of 4 months, the membrane should be covered by the additional waterproofing system. It must also be clear that the criteria of a permanent waterproofing cannot be expected from this temporary waterproofing application.
<b>Product storage guidance</b>	Store the materials outdoors, on end/upright and off the ground with suitable robust UV resistant, flame-retardant tarpaulin. Ensure the product(s) are clear of buildings and any other storage areas. Where there are storage containers on site, these may be suitable for storing products.
<b>Pallet size</b>	Pallet size =20 rolls/162m <sup>2</sup> per pallet
<b>Storage temperature range</b>	+5°C to +30°C
<b>Packaging material</b>	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.
<b>Handling/PPE</b>	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.
<b>Shelf life</b>	When stored correctly, the product has a stated shelf life of 9 months. We would suggest additional installation techniques may be required to ensure adequate adhesion is achieved.
<b>Disposal guidance</b>	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").
<b>Re-use options of product</b>	Please refer to EPD stated below in Certification and environmental information.
<b>Further information/documents</b>	Current documents such as DoC's, DoP's (where relevant), brochures, installation guides, etc. can be found by visiting <a href="http://www.bauder.co.uk">www.bauder.co.uk</a>
<b>Certification and environmental information</b>	<p><b>BBA Certificate No.:</b> 10/4744</p> <p><b>Environmental Product Declaration:</b> GlobalEPD-IntEPD S-P-00768</p> <p><b>International Standards Organisation (ISO):</b> 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>
<b>Safety Data Sheet</b>	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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