

PRODUCT DATA SHEET

Bauder KARAT

A top quality, heavy duty, torch-applied APP plastomeric top and SBS elastomeric bottom, bitumen capping sheet. The product features a 300g/m² 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.



PRODUCT INFORMATION AND TECHNICAL PERFORMANCE

Characteristic	Test method	Unit	Value	
Length	DIN EN 1848-1	m	5.0	
Width	DIN EN 1848-1	m	1	
Thickness	DIN EN 1849-1	mm	5.2	
Flexibility at low temperature	DIN EN 1109	°C	Top: ≤ -25	Bottom: ≤ -40
Flow resistance at elevated temperature	DIN EN 1110	°C	Top: ≥ +150	Bottom: ≤ +120
Tensile properties: max. tensile force	DIN EN 12311-1	N / 50 mm	Length: ≥ 1450	Transverse: ≥ 1450
Tensile properties: elongation	DIN EN 12311-1	%	Length: ≥ 23	Transverse: ≥ 23
Straightness	DIN EN 1848-1	mm / 10m	≤ 20	
Watertightness type A and T	DIN EN 1928 Verf. B	-	Passed	
Reaction to fire	DIN EN ISO11925-2	-	Class E according to DIN EN 13501-1	
Visible defects	DIN EN 1850-1	-	No visible defects	
Peel resistance of joint	DIN EN 12316-1	N / 50 mm	No value specified	
Shear resistance of joint	DIN EN 12317-1	N / 50 mm	No value specified	
Resistance to impact	DIN EN 12691	mm	≥ 2000	
Resistance to static loading	DIN EN 12730	kg	No value specified	
Dimensional stability	DIN EN 1107-1	%	≤ -0.1%	
Artificial ageing DIN EN 1296	DIN EN 1109	°C	No value specified	
	DIN EN 1110	°C		

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Type of application	Top polymer bitumen torch-on membrane – capping sheet	
Surface	Top: Charcoal Grey	Bottom: Thermofusible polyethylene
Reinforcement	Type and weight: Polyester composite reinforcement approx. 300 g/m ²	

CERTIFICATION AND ENVIRONMENTAL INFORMATION	
BBA Certificate	10/4744
Environmental Product Declaration	S-P-00414
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 (Germany)
BRE Green Guide generic bituminous system rating	A+ to B dependant upon deck type

INSTALLATION GUIDANCE
Refer to the Bauder Installation Manual for guidance

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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