

BauderKARAT Air+

Technical data sheet

Type of application:	Top polymer bitumen torch-on membrane – capping sheet		
Surface	top:	white-grey with nitrogen reducing properties	
	bottom:	foil	
Reinforcement	type and weight:	Polyester composite reinforcement approx. 300 g/m²	
Article number	1713 0000		

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 (±10%) transverse: 1450 (±10%)
Tensile properties: elongation	DIN EN 12311-1	%	length: 23 (±3) transverse: 23 (±3)
straightness	DIN EN 1848-1	mm / 10m	≤ 20
water-tightness type A	DIN EN 1928 Verf. B	-	passed
Reaction to fire	DIN EN ISO11925-2	-	class E according to DIN EN 13501-1
External fire performance ^{a)}	DIN V ENV 1187	-	B _{ROOF} (t1, t3, t4)
Visible defects	DIN EN 1850-1	-	no visible defects
Peel resistance of joint	DIN EN 12316-1	N / 50 mm	nvs
Shear resistance of joint	DIN EN 12317-1	N / 50 mm	nvs
Resistance to impact	DIN EN 12691	mm	≥ 2000
Resistance to static loading	DIN EN 12730	kg	nvs
Dimensional stability	DIN EN 1107-1	%	≤ 0.1 %
Artificial ageing DIN EN 1296	DIN EN 1109	°C	nvs
	DIN EN 1110	°C	
Reduction of nitrogen	ISO 22197-1	mg/m ² h	min. 4.0

nvs = no value specified

^{a)} The determination of the method for external fire performance is a system test that can be influenced by system components which are not produced or sold by Bauder GmbH & Co. KG. A performance for the single product can therefore not be stated.

The declared values are determined statistically and are subject to tolerances.



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 (19)
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