

# Technical data sheet

## BauderTEC DS

### special aluminium foil



<b>Product description</b>	Elastomer bitumen vapour barrier, self-adhesive membrane in accordance with DIN 18234		
<b>Application fields</b>	Vapor barrier membrane in flat roof systems for industrial light roofs on trapezoidal metal deck constructions according to DIN 18234		
<b>Surface</b>	top:	special aluminium foil	
	bottom:	release film (cold self-adhesive bitumen underneath)	
<b>Reinforcement type and weight</b>	aluminium-polyester-combination with glass fleece		
<b>Article number</b>	1595 0000		

Characteristic	Test method	Unit	Value
<b>Length</b>	EN 1848-1	m	80
<b>Width</b>	EN 1848-1	m	1.08
<b>Thickness</b>	EN 1849-1	mm	0,4
<b>Flexibility at low temperature top</b>	EN 1109	°C	≤-40
<b>Flexibility at low temperature bottom</b>	EN 1109	°C	≤-40
<b>Flow resistance at elevated temperature top</b>	EN 1110	°C	≥110
<b>Flow resistance at elevated temperature bottom</b>	EN 1110	°C	≥110
<b>Max. tensile force length</b>	EN 12311-1	N/50mm	≥350
<b>Max. tensile force transverse</b>	EN 12311-1	N/50mm	≥350
<b>Elongation at max. tensile force length</b>	EN 12311-1	%	≥4
<b>Elongation at max. tensile force transverse</b>	EN 12311-1	%	≥4
<b>Straightness</b>	EN 1848-1	mm/10m	<20
<b>Watertightness</b>	EN 1928	-	passed
<b>Water vapour transmission</b>	-	m	≥1500
<b>Reaction to fire</b>	EN 13501-1	Class	E
<b>External fire performance <sup>a)</sup></b>	CEN/TS 1187	-	B <sub>ROOF</sub> (t1), B <sub>ROOF</sub> (t2)
<b>Peel resistance</b>	EN 12316-1	N/50mm	NPD
<b>Shear resistance</b>	EN 12317-1	N/50mm	NPD
<b>Resistance to impact</b>	EN 12691	mm	NPD
<b>Resistance to static loading</b>	EN 12730	kg	NPD



Notified body: MPA Stuttgart, 0672  
EN 13970

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Characteristic	Test method	Unit	Value
Specific fuel value PCI Hu (DIN 18234)	DIN EN ISO 1716	MJ/m <sup>2</sup>	11.6
Durability characteristics	EN 1109	°C	NPD

a) tested in system

<b>Note</b>	The membrane has no temporary sealing function. The additional waterproofing system has to be installed immediately afterwards.
<b>Product storage guidance</b>	Bitumen membranes must be stored and transported on end to prevent deformation of the roll. The membranes must also be protected from UV rays, moisture and heat.
<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>Further information/documents</b>	Current documents such as brochures, installation instructions etc. can be found on the Internet at <a href="http://www.bauder.eu">www.bauder.eu</a>



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