

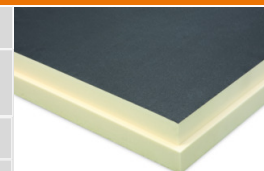
# Technical data sheet

## BauderPIR FA Flatboard Insulation



V3 22/11/2022

<b>Product description</b>	Rigid polyurethane foam board faced on both sides with aluminium foil.		
<b>Application fields</b>	Thermal insulation with a low thermal conductivity for use within Bauder warm roof single-ply waterproofing systems to provide efficient thermal insulation.		
<b>Facing</b>	top:	Aluminium foil	
	bottom:	Aluminium foil	
<b>Board edge</b>	Rebated edges		
<b>Description</b>	PU-EN13165-T2-DS(70,90)3-DS(-20,-)2-CS(10Y)120-TR50-DLT(2)5-WS(P)0,1		
<b>Article Number (Thickness)</b>	4519 0040 (40 mm) 4519 0050 (50 mm) 4519 0060 (60 mm) 4519 0080 (80 mm) 4519 0100 (100 mm)	4519 0120 (120 mm) 4519 0140 (140 mm) 4519 0160 (160 mm) 4519 0180 (180 mm) 4519 0200 (200 mm)	4519 0220 (220 mm) 4519 0240 (240 mm)



Characteristic	Test method	Unit	Value
<b>External dimension (L x W)</b>	EN 822	mm	2400 x 1200
<b>Thickness</b>	EN 823	mm	Thickness 40*, 50*, 60, 80, 100, 120, 140, 160, 180, 200*, 220*, 240*
<b>Reaction to fire</b>	EN 13501 - 1	Class	E
<b>Compressive Strength 10% compression</b>	EN 826	-	0.12 N/mm <sup>2</sup> 120 kPa 12,000 kg/m <sup>2</sup>
<b>Thermal conductivity (λ<sub>D</sub>)</b>	EN 13165	W/mK	0.022
<b>Water absorption</b>	EN 12087	Vol%	max. 3
<b>PIR Index</b>	-	-	> 250

#### Note on non-standard thicknesses

(\***) Thicknesses of 40, 50, 200, 220, & 240mm available as a special order with minimum order quantity of 1,000m<sup>2</sup>**

#### Maximum loading for permanently sited loads

When equipment/plant is to be located on the finished roof a maximum permanent load of 2,400Kg/m<sup>2</sup> (24 kPa) (24KN/m<sup>2</sup>) can be supported with a 2% compression expected. Please refer to the Bauder Installation Guide and project specification for installation guidance.

#### Product storage guidance

Thermal insulation has to be transported and stored protected from moisture, open flames and direct sunlight. All insulation boards must be kept dry, on pallets and off the ground. The packaging of Bauder Insulation products should not be considered adequate for outside protection. Ideally boards should be stored inside a building. If outside storage cannot be avoided the boards should be stacked clear of the ground and covered with an opaque polythene sheet or weatherproof tarpaulin.

#### Packaging material

The product will be delivered on EPS skids or wooden pallets with polythene overwrap (30% re-cycled content) to protect the product.

#### 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 the product, installers should be provided with, and wear, suitable personal protective equipment.



Notified body: FIW München, 0751  
EN 13165



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<b>Weight insulation boards</b>	<b>Thickness range</b>	<b>20mm</b>	<b>240mm</b>
	average weight	0,86 kg/m <sup>2</sup>	8,01 kg/m <sup>2</sup>
<b>Shelf life</b>	When stored correctly, the product has no stated shelf life.		
<b>Disposal guidance</b>	Rigid polyurethane foam waste can be disposed of with household waste or commercial waste similar to household waste (European waste catalogue EWC number 170604 "Insulation material").		
<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>	<b>BBA Certificate No.:</b> 16/5365  <b>Environmental Product Declaration:</b> EPD-IVP-20210001-IBE1-EN  <b>International Standards Organisation (ISO):</b> 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)		
<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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