Technical data sheet
BauderPIR FA Flatboard Insulation

04/02/2026

Product description	Rigid polyurethane foam board faced on both sides with aluminium foil.		
Application fields	Thermal insulation with a low thermal conductivity for use within Bauder warm roof single-ply waterproofing systems to provide efficient thermal insulation.		
Facing	top:	Aluminium foil	
	bottom:	Aluminium foil	
Board edge	Rebated edges		
Description	PU-EN13165-T2-DS(70,90)3-DS(-20,-)2-CS(10\Y)120-TR50-DLT(2)5-WS(P)0,1		
Website link	https://www.bauder.co.uk/products/bauderpir-fa-flatboard-insulation		
Article Number (Thickness)	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
External dimension (L x W)	EN 822	mm	2400 x 1200
Installation dimension (including 15mm rebate)	EN 822	mm	2385 x 1185
Rebated board with coverage	-	m²	2.83
Thickness	EN 823	mm	Thickness 40, 50, 60, 80, 100, 120, 140, 160, 180, 200, 220, 240
Reaction to fire	EN 13501 - 1	-	E
Compressive Strength 10% compression	EN 826	-	0.12 N/mm² 120 kPa 12,000 kg/m²
Thermal conductivity (λD)	EN 13165	W/mK	0.022
Water absorption	EN 12087	Vol%	max. 3
PIR Index	-	-	> 250

Normative references	For undated references, the latest edition of the referenced document (including any amendments) applies.
Note on non-standard thicknesses	**Thicknesses of 40, 50, 200, 220, & 240mm available as a special order with minimum order quantity of 1,000m²**
Maximum loading for permanently sited loads	When equipment/plant is to be located on the finished roof a maximum permanent load of 2,400Kg/m² (24 kPa) (24KN/m²) can be supported with a 2% compression expected. Please refer to the Bauder Installation Guide and project specification for installation guidance.
Product storage guidance	Store the materials outdoors with suitable robust UV resistant, flame-retardant tarpaulin. Ensure the product(s) are clear of buildings and any other storage areas. The products must not be exposed to a direct naked flame

CE (16)

Notified body: FIW München, 0751
EN 13165

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Intended use of this product should be verified with Bauder to ensure suitability and compliance with applicable guidance, regulations, legislations, project requirements, specifications, and installation techniques.

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	or other ignition sources, or to solvents or other chemicals. 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 weather protection. Where there are storage containers on site, these may be suitable for storing products.
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.
Weight insulation boards	

Thickness range	**20mm**	**240mm**
average weight	0,86 kg/m²	8,01 kg/m²

Shelf life	When stored correctly, the product has no stated shelf life.
Disposal guidance	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").
Re-use options of product	Please refer to EPD stated below in Certification and environmental information.
Further information/documents	Current documents such as DoP's (where relevant), brochures, installation guides, etc. can be found by visiting www.bauder.co.uk
Certification and environmental information	**BBA Certificate No.:** 16/5365 **Environmental Product Declaration:** EPD-IVP-20210001-IBE1-EN **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)
Safety Data Sheet	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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