

Technical data sheet

BauderPIR FA-TE Flatboard

Insulation



21/08/2023

Product description	Rigid polyurethane foam board faced on both sides with aluminium foil. The top facing features a printed grid pattern to aid cutting on site.		
Application fields	Thermal insulation with a low thermal conductivity for use within Bauder warm roof waterproofing systems to provide efficient thermal insulation.		
Facing	top:	Aluminium foil	
	bottom:	Aluminium foil	
Board edge	Square (not rebated)		
Description	PU-EN13165-T2-DS(70,90)3-DS(-20,-)2-CS(10\Y)120-TR50-DLT(2)5-WS(P)0,1		
Article Number (Thickness)	4400 4020 (20 mm) 4400 4030 (30 mm) 4400 4040 (40 mm) 4400 4050 (50 mm) 4400 4060 (60 mm)	4400 4080 (80 mm) 4400 4100 (100 mm) 4400 4120 (120 mm) 4400 4140 (140 mm) 4400 4160 (160 mm)	4400 4180 (180 mm) 4400 4200 (200 mm) 4400 4220 (220 mm) 4400 4240 (240 mm)



Characteristic	Test method	Unit	Value
External dimension (L x W)	EN 822	mm	1200 x 600
Thickness	EN 823	mm	Thickness 20, 30, 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/mm ² 120 kPa 12,000 kg/m ²
Thermal conductivity (λ_D)	EN 13165	W/mK	0.022
Water absorption	EN 12087	Vol%	max. 3
PIR Index	-	-	> 250

Note on non-standard thicknesses

Thicknesses of 20, 180, 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

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. 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



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EN 13165



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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/m ²	8,01 kg/m ²
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 DoC's, 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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