

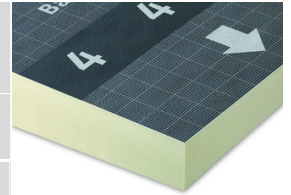
Technical data sheet

BauderPIR FA G16 Tapered Insulation



V4 22/11/2022

Product description	Rigid polyurethane foam board faced on both sides with aluminium foil. The top facing features a number and arrow to indicate board size and direction of fall, and also has a printed grid pattern to aid cutting on site.	
Application fields	Thermal insulation with a low thermal conductivity to provide falls on a roof, for use within Bauder warm roof systems.	
Facing	top:	Aluminium foil
	bottom:	Aluminium foil
Board edge	Square (not rebated)	
Description	PU-EN13165-T2-DS(70,90)3-DS(-20,-)2-CS(10Y)120-TR40	
Article Number (Thickness)	4700 1601 (30/50 mm) 4700 1602 (50/70 mm) 4700 1603 (70/90 mm) 4700 1604 (90/110 mm)	4700 1605 (110/130 mm) 4700 1606 (130/150 mm) 4700 1607 (150/170 mm) 4700 1608 (170/190 mm)



Characteristic	Test method	Unit	Value
External dimension (L x W)	EN 822	mm	1200 x 1200
Thickness	EN 823	mm	30/50, 50/70, 70/90, 90/110, 110/130, 130/150, 150/170, 170/190
Tapered/ Gradients	-	%	1,67
Reaction to fire	EN 13501 - 1	Class	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

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. 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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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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