

Technical data sheet

BauderPIR M Flatboard Insulation



V5 22/11/2022

Product description	Rigid polyurethane foam board faced on both sides with a mineralised glass fleece.			
Application fields	Thermal insulation with a low thermal conductivity to provide falls on a roof, for use within Bauder warm roof systems.			
Facing	top:	Mineralised glass fleece		
	bottom:	Mineralised glass fleece		
Board edge	Square (not rebated). Rebated available for thicknesses 80mm and greater.			
Description	PU-EN13165-T2-DS(70,90)3-DS(-20,-)2-CS(10\Y)120-TR80			
Article Number (Thickness)	4800 0020 (20 mm) 4800 0030 (30 mm) 4800 0040 (40 mm) 4800 0050 (50 mm) 4800 0060 (60 mm)	4800 0080 (80 mm) 4800 0100 (100 mm) 4810 0040 (40 mm) 4810 0050 (50 mm) 4810 0060 (60 mm)	4810 0080 (80 mm) 4810 0120 (120 mm) 4810 0140 (140 mm) 4810 0160 (160 mm) 4810 0180 (180 mm)	4810 0200 (200 mm) 4810 0220 (220 mm) 4810 0240 (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, 40, 50, 60, 80, 120, 140, 160, 180, 200, 220, 240
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
Water absorption	EN 12087	Vol%	max. 3
PIR Index	-	-	> 250

Note on standard thicknesses

We do not have stock quantities for these products. Please contact Bauder Ltd for further information.

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.

Weight insulation boards



Notified body: FIW München, 0751
EN 13165



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	Thickness range	20mm	240mm
	average weight	1,15 kg/m ²	8,3 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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