

PRODUCT DATA SHEET

BauderPIR Tapered Insulation

An extremely efficient PIR insulation board manufactured in accordance with BS EN 13165 with no facings. It is lightweight with a high compressive strength and has zero Ozone depletion potential.

Intended Use

For use within Bauder warm roof systems to provide effective drainage as well as efficient thermal insulation.



PRODUCT INFORMATION		
Weights and Sizes	Unit	Value
Length	m	1.2
Width	m	0.8
Thickness	mm	From 20 to 400
Gradients		1:33, 1:40, 1:50, 1:60, 1:67, 1:80
Weight	kg/m ³	30 minimum

SURFACE FINISHES	
Top & Bottom:	Unfaced

TECHNICAL PERFORMANCE			
Characteristic	Test method/ Classification	Unit	Value
PIR index			> 250 (Extremely high dimensional stability)
Thermal conductivity		W/mK	Up to 80mm – 0.026
			80-110mm – 0.025
			Over 120mm – 0.024
Compressive strength	EN 826	N/mm ²	≥ 0.12
Compressive creep	EN 1606	N/mm ²	0.024
Reaction to fire	EN 13501-1		Class E
Dimensional stability	EN 13165		DS (70,90) 3
			DS (-20,-) 2

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CERTIFICATION AND ENVIRONMENTAL INFORMATION	
BBA Certificate	16/5365
Environmental Product Declaration (EPD)	EPD-IVP-20160147-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)
Ozone depletion potential (ODP)	Zero

INSTALLATION GUIDANCE
Refer to relevant installation manual.

Bauder reserves the right to amend information and product specifications without prior notice. All reasonable care has been taken to ensure that all data is current at the time of print, however because Bauder pursues a policy of constant development we recommend ensuring that your copy of this information is current by contacting our Technical Department at technical@bauder.co.uk

Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications, installation techniques and any applicable laws and regulations.

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