

## 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**

<b>Weights and Sizes</b>	<b>Unit</b>	<b>Value</b>
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 <sup>3</sup>	30 minimum

**SURFACE FINISHES**

Top & Bottom:	Unfaced
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**TECHNICAL PERFORMANCE**

<b>Characteristic</b>	<b>Test method/ Classification</b>	<b>Unit</b>	<b>Value</b>
PIR index			> 250 (Extremely high dimensional stability)
Thermal conductivity		W/mK	Up to 80mm – 0.027
			80-110mm – 0.026
			Over 120mm – 0.025
Compressive strength	EN 826	N/mm <sup>2</sup>	≥ 0.12
Compressive creep	EN 1606	N/mm <sup>2</sup>	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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<b>CERTIFICATION AND ENVIRONMENTAL INFORMATION</b>	
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
Global warming potential (GWP)	<5 kg CO <sub>2</sub> -Eq./kg

<b>INSTALLATION GUIDANCE</b>
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](mailto: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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