

## PRODUCT DATA SHEET

## BauderPIR Flatboard Insulation

An extremely efficient PIR insulation board with a mineralised glass fibre facing on both sides. It is lightweight and has zero Ozone depletion potential. Thicknesses 80mm and over have rebated edges to allow the board to interlock and prevent cold bridging.



### Intended Use

For use within Bauder warm roof systems to provide efficient thermal insulation.

PRODUCT INFORMATION		
Weights and Sizes	Unit	Value
Length	m	1.2 (external), 1.185 (internal)
Width	m	0.6 (external), 0.585 (internal)
Thickness	mm	30, 50, 60, 80, 100, 120, 140, 160, 180, 200
Weight	kg/m <sup>3</sup>	30 minimum

SURFACE FINISHES	
Top & Bottom:	Mineralised glass fibre

TECHNICAL PERFORMANCE			
Characteristic	Test method/ Classification	Unit	Value
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		E
Dimensional stability	EN 13165: 2012+ A1: 2015		DS (70,90) 3
			DS (-20, -) 2

#### UNITED KINGDOM

Bauder Ltd  
 70 Landseer Road, Ipswich, Suffolk IP3 0DH  
 T: +44 (0)1473 257671 E: [info@bauder.co.uk](mailto:info@bauder.co.uk)  
[bauder.co.uk](http://bauder.co.uk)

#### IRELAND

Bauder Ltd  
 O'Duffy Centre, Carrickmacross, Co. Monaghan  
 T: +353 (0)42 9692 333 E: [info@bauder.ie](mailto:info@bauder.ie)  
[bauder.ie](http://bauder.ie)

## PRODUCT DATA SHEET

<b>CERTIFICATION AND ENVIRONMENTAL INFORMATION</b>	
BBA Certificate	16/5365
Environmental Product Declaration (EPD)	EPD-IVP-20140206-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

<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.

**UNITED KINGDOM**

Bauder Ltd  
70 Landseer Road, Ipswich, Suffolk IP3 0DH  
T: +44 (0)1473 257671 E: [info@bauder.co.uk](mailto:info@bauder.co.uk)  
[bauder.co.uk](http://bauder.co.uk)

**IRELAND**

Bauder Ltd  
O'Duffy Centre, Carrickmacross, Co. Monaghan  
T: +353 (0)42 9692 333 E: [info@bauder.ie](mailto:info@bauder.ie)  
[bauder.ie](http://bauder.ie)