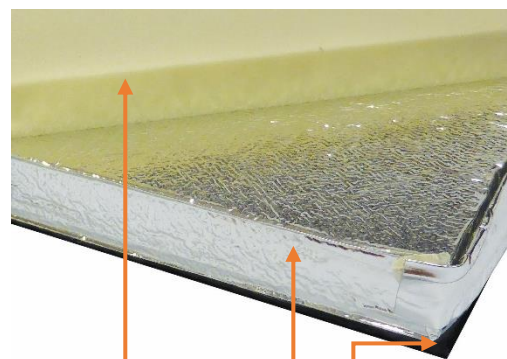


PRODUCT DATA SHEET

BauderVIP

BauderVIP is a vacuum insulation panel that is specially designed to provide high thermal performance in areas with limited height and is ideally suited for terrace and balcony applications.

The exceptionally good insulating properties achieved by BauderVIP vacuum core (Aged calculated value of thermal conductivity $\lambda_D = 0.0072\text{W/m}\cdot\text{K}$) comes from the high-performance Pyrogenic Silica. This silica is surrounded by a multi-layer high-barrier film, and then the air is removed from the silica so that a vacuum is created. Each 60mm panel achieves a U-Value of $0.157\text{W}/(\text{m}^2\text{K})$, and the 80mm panel a U Value of $0.107\text{W}/(\text{m}^2\text{K})$. A Bauder specific project design and calculation must be completed to confirm the overall U-Value achieved for the entire roof.



High Density PIR 17mm
Vacuum Core 40mm or 60mm
Rubber Base Layer 3mm

PRODUCT INFORMATION AND TECHNICAL PERFORMANCE

Characteristic	Test method	Unit	Value
Board size		mm	1000 x 1000, 1000 x 500
Weight		kg/m ² - mm	17/80, 13/60
Thickness		mm	60, 80
PIR index			> 250 (extremely high dimensional stability)
Thermal conductivity (Vacuum Core)	EN 12667:2001	λ_D	0.0072 W/(m·K)
U Value 60mm panel		W/(m ² K)	0.157
U Value 80mm panel		W/(m ² K)	0.107
Compressive strength	EN 826:2013	N/mm ²	≥ 0.19
Reaction to Fire	EN 13501-1:2018	Class	E
Dimensional Stability	EN 1604:2013	%	≤1
Surface finish			
High density PIR (top)		mm	17
Vacuum core (middle)		mm	40, 60
Rubber base layer (bottom)		mm	3

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PRODUCT DATA SHEET

CERTIFICATION AND ENVIRONMENTAL INFORMATION	
European Technical Approval	ETA-13/0493
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 guide.

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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