

## Declaration of Performance

Declaration of performance number VT-V 2018/0002

### 1. Unique identification code

Bauder VIP

QASA, the vacuum insulation panels are laminated on the top and bottom each having full surface-bonded top layer according to table.

1	Plywood board	3 mm
2	Extruded polystyrene foam board (XPS)	5 mm
3	Polyurethane rigid foam board (PUR)	15 mm
4	HDF and MDF panels	3 mm
5	Rigid PVC Boards	2 mm
6	Glass fiber reinforced plastic board (GRP)	1.5 mm
7	Rubber Granular Mat	3 mm
8	OSB Board	10 mm
9	Phonotherm board made of compressed polyurethane	4 mm
10	PVC foil	3.7 mm
11	HPL laminate panel	2 mm
12	Aluminum sheet	2 mm

### 2. Types, batch or serial number

Order number: xxxxxxxx

### 3. From manufacturer provided type of use

Thermal insulation products for buildings

### 4. Manufacturer

VARIOTEC GmbH & Co. KG

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Werk II

[www.variotec.de](http://www.variotec.de)

Moosweg 12

Tel.: +49 9181 6946-10

D-92318 Neumarkt i.d.OPf.

### 5. System to determine the performance

System 3

### 6. Notified agency for the approval, initial inspection, monitoring and exhibitors of the "constancy of performance certificate"

FIW München

Notified Body No.: 0751

Lochhamer Schlag 4  
D-82166 Gräfelfing

## 7. Declared Performance

Essential features	Performance	Harmonised Technical Specification
Reaction to fire	Class E	EN 13501-1:2007
Value of thermal conductivity $\lambda_D$	0.0063 W/mK	EN 12667:200-01
Thermal resistance $R_d$		EN 12667, EN 12939
	$R = 3.17 \text{ m}^2 \cdot \text{K/W}$	at 20 mm VIP thickness
	$R = 4.76 \text{ m}^2 \cdot \text{K/W}$	at 30 mm VIP thickness
	$R = 6.35 \text{ m}^2 \cdot \text{K/W}$	at 40 mm VIP thickness
	$R = 7.94 \text{ m}^2 \cdot \text{K/W}$	at 50 mm VIP thickness
Compressive stress at 10% compression	190 kPa	EN 826:1996-06
Tensile strength perpendicular to the plate plane	> 90 kPa	EN 1607:1997-01
Dimensional stability under specified conditions at temperature and humidity	< 1 %	EN 1604:2007-06

The performance of the product identified in points 1 and 2 is in conformity with the declared performance.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

On behalf of the manufacturer by:

Richard Clennell, Product Manager

Date of Issue:

1st Feb 2018