

Declaration of performance No.: DE92318-2022-1

Trade name of the construction product:

"QASA-D" und "QASA-N" Thermal insulation boards

Intended uses:

The thermal insulation boards are used für the thermal insulation of walls, ceilings, floors and roofs in buildings

Manufacturer: VARIOTEC GmbH & Co.KG, Weissmarter Str. 3, D 92318 Neumarkt

System of AVCP: System 3

European Assessment Document: EAD 040011-01-1201

European Assessment Document: ETA-13/0493

Technical Assessment Body: DIBt, D - 10829 Berlin

Notified Body: 0751 FIW München

declared performance
Performance
Essential characteristic

 Reaction to fire of the thermal insulation boards
EN ISO 11925-2:2010

Class E acc.to EN 13501-1:2018 (layers "HPL laminate" and Aluminium sheet" No performance assessed)

Thermal conductivity

to EN 12667:2001 acc.to a.m. EAD "QASA-N" without facings

Declared value of thermal conductivity

 $\lambda_D = 0,0072 \text{ W}/(\text{m}\cdot\text{K})$
mit $\lambda_D = (\lambda_{90/90} + \Delta\lambda_a) \times F_{tb}$

Aging supplement

 $\Delta\lambda_a = 0,0021 \text{ W}/(\text{m}\cdot\text{K})$

Correcting factor for the thermal bridge effect

 $F_{tb} = 1,10$

Thermal conductivity before ageing an without consideration of the thermal bridge effect

Nominal thickness: 20 mm to 50 mm

 $\lambda_{90/90} = 0,0044 \text{ W}/(\text{m}\cdot\text{K})$

Water vapor diffusion

No performance assessed

Nominal thickness - EN 823:2013 - 20 mm to 50 mm

 Nominal length ≥ 400 mm - EN 822:2013

 Nominal width ≥ 300 mm - EN 822:2013

Squareness - EN 825:2013

Flatness - EN 825:2013

Density - EN 1602:2013

 $-3 \text{ mm}/+5 \text{ mm}$ oder $^{b)}$ +5%

 $\pm 2 \%$
 $\pm 1,5 \%$
 $S_b \leq 5 \text{ mm}/\text{m}$
 $\leq 6 \text{ mm}$
 $190 \text{ kg}/\text{m}^3 - 220 \text{ kg}/\text{m}^3$

Mass per unit area of the multilayer high barrier foil

 $\geq 110 \text{ g}/\text{m}^2$

Oxygen permeability of the multilayer high barrier foil

No performance assessed

Compressive stress at 10 % deformation - EN 826:2013

 QASA N = $\sigma_{10\%} \geq 170 \text{ kPa}$

 QASA D = $\sigma_{10\%} \geq 190 \text{ kPa}$

Deformation under specified load and temperature

- EN 1605:2013

 $\leq 2,0 \%$

Dimensional stability under specified temperatur an humidity - EN 1604:2013

 $\leq 1,0\%$

Internal pressure of the VIP

text acc.to EAD (clause 2.2.15)

 $\leq 3 \text{ mbar}$

Tensile strenght perpendicular to the faces (with or without facings)

- EN 1607:2013

 $\geq 60 \text{ kPa}$

Behavior under point load

No performance assessed

Shear strength of the thermal insulation board

No performance assessed

The performance of the above product corresponds to the declared performance.

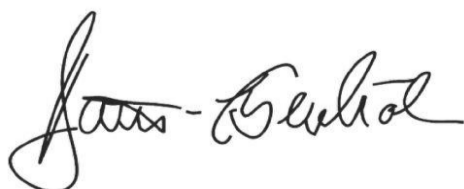
This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer indentified above.

Surname: Erich Bauer-Ebenhöch

Place: D-92318 Neumarkt

Date:

06.12.2022



 Unterschrift: **X**