

Declaration of Conformity

BauderPIR FA G16

DoC-No.: BauderPIR FA G16



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|----|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| 1. | Unique identification code of the product-type | FA Gefaele 1.6%-01 |
| 2. | Intended use/es | Thermal insulation for buildings |
| 3. | Manufacturer | Paul Bauder GmbH & Co. KG, Korntaler Landstrasse 63, 70499 Stuttgart, Germany |
| 4. | System/s of assessment and verification of constancy of performance of the construction product | AVCP-System 3 |
| 5. | Harmonised standard Notified body | BS EN13165:2012+A2:2016 FIW München, 0751 |

6. Declared performance

| Essential characteristics | | Performance BS EN13165:2012+A2:2016 |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Thermal resistance | Thermal resistance | – For other thicknesses: calculation with: $RD = \text{nominal thickness} / \lambda_D$ (rounded downwards to nearest 0,05 m ² *K/W) |
| | Thermal conductivity | dN = 20 - 240 mm: $\lambda_D = 0,022 \text{ W/m}^2\text{K}$ |
| | Thickness | dN = 20 - 240 mm, tapered product |
| Reaction to fire | | E |
| Durability of reaction to fire against heat, weathering, ageing/degradation | | The fire performance of PU does not deteriorate with time. |
| Durability of thermal resistance against heat, weathering, ageing/degradation | Thermal resistance | -- |
| | Thermal conductivity | dN = 20 - 240 mm: $\lambda_D = 0,022 \text{ W/m}^2\text{K}$ |
| | Durability characteristics | - |
| | Dimensional stability | DS(70,90)3 DS(-20,-)2 |
| | Deformation under specified compressive load and temperature conditions | NPD |
| Determination of the aged value of thermal resistance and thermal conductivity | | dN = 20 - 240 mm: $\lambda_D = 0,022 \text{ W/m}^2\text{K}$ |
| Compressive strength | Compressive stress | CS(10Y)120 |
| Tensile/flexural strength | Tensile strength perpendicular to faces | TR40 |
| Durability of compressive strength against ageing/degradation | | NPD |
| Water permeability | Short term water absorption | NPD |
| | Long term water absorption by partial immersion | - |

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|-----------------------------------------------------------|-----------------------------------------------|-----|
| | Long term water absorption by total immersion | - |
| | Flatness after one sided wetting | - |
| Water vapour permeability | | NPD |
| Acoustic absorption index | | NPD |
| Release of dangerous substances to the indoor environment | | NPD |
| Continuous Glowing combustion | | NPD |

NPD = no performance declared

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of conformity is issued under the sole responsibility of the importer identified as: UNITED KINGDOM Bauder Ltd 70 Landseer Road, Ipswich, Suffolk IP3 0DH.

Signed for and on behalf of the manufacturer by:

A handwritten signature in blue ink that reads "Mark Bauder".

Mark Bauder, Managing Director
Stuttgart, 14-Apr-2021