

# Declaration of Performance

## BauderPIR FA G16

### DoP-No.: BauderPIR FA G16



1.	Unique identification code of the product-type	FA Gefaelle 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	EN13165:2012+A2:2016 FIW München, 0751

## 6. Declared performance

Essential characteristics		Performance 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 <sup>2</sup> *K/W)
	Thermal conductivity	dN = 20 - 240 mm: $\lambda_D = 0,022 \text{ W/m}^*\text{K}$
	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: $\lambda_D = 0,022 \text{ W/m}^*\text{K}$
	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: $\lambda_D = 0,022 \text{ W/m}^*\text{K}$
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 performance is issued, in accordance with Regulation (EU) No 305/211, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

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

Mark Bauder, Managing Director  
Stuttgart, Apr 14, 2021