

Declaration of Performance

DoP-No.: 96110033



1.	Unique identification code of the product-type	BauderPIR T Gefälle - 03
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 ² *K/W)
	Thermal conductivity	dN = < 80 mm: $\lambda D = 0,026 \text{ W/m}^*K$ dN = 80 mm ≤ dN < 120 mm: $\lambda D = 0,025 \text{ W/m}^*K$ dN = ≥ 120 mm: $\lambda D = 0,024 \text{ W/m}^*K$
	Thickness	dN = 20 - 400 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 = < 80 mm: $\lambda D = 0,026 \text{ W/m}^*K$ dN = 80 mm ≤ dN < 120 mm: $\lambda D = 0,025 \text{ W/m}^*K$ dN = ≥ 120 mm: $\lambda D = 0,024 \text{ W/m}^*K$
	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 = < 80 mm: $\lambda D = 0,026 \text{ W/m}^*K$ dN = 80 mm ≤ dN < 120 mm: $\lambda D = 0,025 \text{ W/m}^*K$ dN = ≥ 120 mm: $\lambda D = 0,024 \text{ W/m}^*K$
Compressive strength	Compressive stress	CS(10\Y)120
Tensile/flexural strength	Tensile strength perpen-dicular to faces	TR100
Durability of compressive strength against ageing/degradation		NPD
Water permeability	Short term water absorption	NPD

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	Long term water absorption by partial immersion	-
	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, Aug 4, 2021