Declaration of Performance
BauderPIR FA
DoP-No.: FA

1.	Unique identification code of the product-type	FA-02
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	Table 1:

Table 1:

Nominal thickness dN (mm) dN (mm)	RD (m²K/W)	Nominal thickness dN (mm) dN (mm)	RD (m²K/W)
40 mm	1.80	140 mm	6.35
50 mm	2.25	160 mm	7.25
60 mm	2.70	180 mm	8.15
80 mm	3.60	200 mm	9.05
100 mm	4.50	220 mm	10.00
120 mm	5.45	240 mm	10.90

For other thicknesses: calculation with: RD = nominal thickness/λD (rounded downwards to nearest 0,05 m²K/W)

Essential characteristics		Performance EN13165:2012+A2:2016
Thermal resistance	Thermal conductivity	dN = 20 - 240 mm: λ_D = 0,022 W/m*K
	Thickness	dN = 20 - 240 mm
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	RD see table 1
	Thermal conductivity	dN = 20 - 240 mm: λ_D = 0,022 W/m*K
	Durability characteristics	-
	Dimensional stability	DS(70,90)3 DS(-20,-)2
	Deformation under specified compressive load and temperature conditions	DLT(2)5
	Determination of the aged value of thermal resistance and thermal conductivity	dN = 20 - 240 mm: λ_D = 0,022 W/m*K

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Compressive strength	**Compressive stress**	CS(10\Y)120
Tensile/flexural strength	**Tensile strength perpen-dicular to faces**	TR50
Durability of compressive strength against ageing/degradation		NPD
Water permeability	**Short term water absorption**	WS(P)0,1
	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:

Mark Bauder, Managing Director
Stuttgart, Apr 14, 2022