

Declaration of Performance

BauderPIR FA fp

DoP-No.: FA fp



1.	Unique identification code of the product-type	FA fp-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	Table 1:			
		Nominal thickness dN (mm) dN (mm)	RD (m ² K/W)	Nominal thickness dN (mm) dN (mm)	RD (m ² K/W)
		50 mm	2.25	140 mm	6.35
		60 mm	2.70	160 mm	7.25
		80 mm	3.60	180 mm	8.15
		100 mm	4.50	200 mm	9.05
		120 mm	5.45		
	Thermal conductivity	For other thicknesses: calculation with: RD = nominal thickness/λ _D (rounded downwards to nearest 0,05 m ² *K/W)			
	Thickness	dN = 20 - 240 mm: λ _D = 0,022 W/m*K			
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	R _D 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				
Compressive strength	Compressive stress	CS(10\Y)120			

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Tensile/flexural strength	Tensile strength perpendicular to faces	TR40
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:

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

Mark Bauder, Managing Director
Stuttgart, Apr 14, 2021