

**DoP-Nr.: 4015**

## Declaration of Performance

According to annex III of Regulation (EU) 305/2011 (construction products regulation)

1.	Unique identification code of the product-type	BauderPIR $\lambda$ 025-026-027/CS120/E/TR80
2.	Type, batch or serial number allowing identification of the construction product as required pursuant to Article 11(4)	see product label
3.	Intended use	Thermal insulation for buildings
4.	Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)	Paul Bauder GmbH & Co. KG, Korntaler Landstrasse 63, 70499 Stuttgart, Germany
5.	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)	Not relevant
6.	System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V	System 3
7.	In case of the declaration of performance concerning a construction product covered by a harmonised standard	Notified testing laboratory No. 0751 (FIW Munich) performed the test reports on the relevant declared characteristics under system AVCP 3
8.	In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued	Not relevant

### 9. Declared performance

Essential characteristics	Performance	Specification
Reaction to fire	RtF Class E	EN 13501-1
Thermal resistance	see table 2. For each other thickness: calculation with: $R_D$ = nominal thickness/ $\lambda_D$ (rounded downwards to the nearest 0,05 m <sup>2</sup> K/W)	EN 13165
Thickness/thermal conductivity	20 – 79 mm: $\lambda_D$ = 0,027 W/m <sup>2</sup> K 80 – 119 mm: $\lambda_D$ = 0,026 W/m <sup>2</sup> K 120 – 240 mm: $\lambda_D$ = 0,025 W/m <sup>2</sup> K	
Thickness/tolerance	20 -240 mm / T2	
Compressive strength	CS(10\Y)120	
Tensile strength perpendicular to faces	TR80	
Dimensional stability under specified temperature and humidity conditions	DS(70,90)3 DS(-20,-)2	

Table 2 Thermal resistance $R_D$ [m <sup>2</sup> K/W]:														
thickness [mm]	20	30	40	50	60	80	100	120	140	160	180	200	220	240
$R_D$	0,7	1,1	1,45	1,85	2,2	3,05	3,85	4,8	5,6	6,4	7,2	8	8,8	9,6

For all other characteristics according to EN 13165: NPD (no performance determined)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



Andrew Mackenzie  
Managing Director  
Ipswich, 04.06.2014