

**DoP-Nr.: 4003**

## Declaration of Performance

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

date: 01.07.2013

|    |   |   |
|----|---|---|
| 1. | Unique identification code of the product-type  | BauderPIR $\lambda$ 025-026/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.<br>For each other thickness: calculation with: $R_D$ = nominal thickness/ $\lambda_D$<br>(rounded downwards to the nearest 0,05 m <sup>2</sup> *K/W) | EN 13165      |
| Thickness/thermal conductivity  | 80 – 119 mm: $\lambda_D$ = 0,026 W/m*K<br>120 – 240 mm: $\lambda_D$ = 0,025 W/m*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<br>DS(-20,-)2  |               |

Table 2

Thermal resistance  $R_D$  [m<sup>2</sup>\*K/W]:

| thickness [mm] |  |  |  |  |  | 80   | 100  | 120 | 140 | 160 | 180 | 200 | 220 | 240 |
|----------------|--|--|--|--|--|------|------|-----|-----|-----|-----|-----|-----|-----|
| $R_D$          |  |  |  |  |  | 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:

Elmar Abend, Plant Manager PU-Laminator

Stuttgart, 01.07.2013

i. V.

