

## Declaration of Performance

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|--|---|
| No.:   | DoP PE 15032021001  |
| 1. Unique identification code of the product-type: | PEF Kaifoam PE  |
| 2. Intended use/es:                                | Thermal insulation for technical building equipment an industrial installations (ThIBEII)                             |
| 3. Manufacturer:                                   | Kaimann GmbH<br>Hansastraße 2-5<br>D-33161 Hövelhof   |
| 4. Authorised representative:                      | Not relevant  |
| 5. System/s of AVCP                                | 1+3   |
| 6. a. Harmonised standard:                         | Declaration of performance according to product standard EN 14313:2009+A1:2013  |
| Notified body/ies:                                 | MPA NRW Dortmund (NB 0432), ofi Wien (NB 1085), MA39 Wien (NB 1140), IBS Linz (NB 1322), ECOLABOR (NB 1728), System 1 |
| b. European Assessment Document:                   | Not relevant  |
| 7. Declared performance/s:                         |   |

| Essential Features  |   | Performance                              |                             |
|---|---|--|-----------------------------|
| Reaction to fire euroclass-characteristics                  | Reaction to fire  |  | CL-s1, d0                   |
| Acoustic absorption index                                   | Structure-borne noise transmission<br>Acoustic absorption |  |                             |
|   |   | NPD                                      |                             |
|   |   | NPD                                      |                             |
| Thermal resistance  | Thermal conductivity<br>Dimensions and limits             | °C                                       | 40 °C                       |
|   |   | W/(m·K)                                  | 0,040                       |
| Water permeability  | Water absorption  | WS005 ( $W_p \leq 0,05 \text{ kg/m}^2$ ) |                             |
| Water vapour permeability                                   | Water vapour diffusion resistance                         | MU 3000                                  |                             |
| Release of corrosive substances                             | Minor amounts of water soluble chlorides and pH-value     | Cl 20 - pH8                              |                             |
| Release of dangerous substances to indoor environment       | Release of dangerous substances                           | NPD <sup>a</sup>                         |                             |
| Continuous glowing combustion                               | Continuous glowing combustion                             | NPD                                      |                             |
| Durability of reaction to fire against ageing/degradation   | Durability characteristics <sup>b</sup>                   |  |                             |
| Durability of thermal resistance against ageing/degradation | Durability characteristics <sup>c</sup>                   |  |                             |
|   | Maximum service temperature                               | PE<br>PE SK                              | ST(+) 100 °C<br>ST(+) 85 °C |
|   | Minimum service temperature                               |  | ST(-) 0 °C                  |
| Durability of reaction to fire Against high temperature     | Durability characteristics <sup>b</sup>                   |  |                             |
| Durability of thermal resistance against high temperature   | Durability characteristics <sup>c</sup>                   |  |                             |

a No test method yet adopted.  
b The fire performance of polyetylen based foam does not change with time.  
c The thermal conductivity of polyetylen based foam does not change with time.  
NPD = No Performance Determined

8. Appropriate Technical Documentation and/or Specific Technical Documentation: 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 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Jesko Adler, CIO / Head of Quality



Hövelhof, 15/03/2021