

## Declaration of Performance

- No.: DoP SOLAR EPDMplus 2in2 01032018001
1. Unique identification code of the product-type: FEF Kaiflex SOLAR EPDMplus 2in2
2. Intended use/es: Thermal insulation for technical building equipment an industrial installations (ThIBell)
3. Manufacturer: Kaimann GmbH  
Hansastraße 2-5  
D-33161 Hövelhof
4. Authorised representative: Not relevant
5. System/s of AVCP: 3
6. a. Harmonised standard: Declaration of performance according to product standard EN 14304:2009+A1:2013
- Notified body/ies: 0751 "Forschungsinstitut für Wärmeschutz e.V. München"
- b. European Assessment Document: Not relevant
7. Declared performance/s:

| Essential Features  |   | Performance                      |  |        |        |
|---|---|----------------------------------|--|--------|--------|
| Reaction to fire euroclass-characteristics                  | Reaction to fire  | Tube: d <sub>N</sub> = 6 - 32 mm | E <sub>L</sub>                                 |        |        |
| Acoustic absorption index                                   | Structure-borne noise transmission<br>Acoustic absorption |                                  | NPD  |        |        |
| Thermal resistance  | Thermal conductivity<br>Dimensions and limits             | Tube: d <sub>N</sub> = 6 - 32 mm | °C   | -10 °C | 0 °C   |
|   |   |                                  | W/(m·K)  | 0,037  | 0,038* |
| Water permeability  | Water absorption  |                                  | WS01 (W <sub>p</sub> ≤ 0,1 kg/m <sup>2</sup> ) |        |        |
| Water vapour permeability                                   | Water vapour diffusion resistance                         | Tube: d <sub>N</sub> = 6 - 32 mm | NPD  |        |        |
| Release of corrosive substances                             | Minor amounts of water soluble chlorides and pH-value     |                                  | NPD  |        |        |
| 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                               | Tube: d <sub>N</sub> = 6 - 32 mm | ST(+) 150 °C                                   |        |        |
|   | Minimum service temperature                               | Tube: d <sub>N</sub> = 6 - 32 mm | ST(-) -50 °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>                   |                                  |  |        |        |

<sup>a</sup> No test method yet adopted.

<sup>b</sup> The fire performance of flexible elastomeric foam does not change with time.

<sup>c</sup> The thermal conductivity of flexible elastomeric foam does not change with time.

NPD = No Performance Determined

\*λ<sub>0</sub> ≤ 0,038 + 8,0 · 10<sup>-5</sup> θ + 7,0 · 10<sup>-7</sup> θ<sup>2</sup>

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, 30/04/2020