

Declaration of Performance

- Nr.: DoP HTplus 30032017001
1. Unique identification code of the product-type: FEF Kaiflex HTplus
 2. Intended use/es: Thermal insulation for technical building equipment and 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 | Sheet: d _N = < 10 mm Sheet: d _N = > 10 mm Tube: d _N = 6 - 29 mm Tube: d _N = 30 - 45 mm Tape: d _N = 3mm | C-s3,d0 D-s3,d0 B _L -s3,d0 C _L -s3,d0 B-s3,d0 |
| Acoustic absorption index | Structure-borne noise transmission Acoustic absorption | | NPD |
| Thermal resistance | Thermal conductivity Dimensions and limits | d _N ≤ 15 mm d _N > 15 mm till ≤ 24 mm d _N mm > 24 mm | $\lambda_{40^{\circ}\text{C}} = 0,035 \frac{\text{W}}{\text{m} \cdot \text{K}}$ $\lambda_{\vartheta} = 0,035 + \vartheta \cdot 8 \cdot 10^{-5} + \vartheta^2 \cdot 7 \cdot 10^{-7} \frac{\text{W}}{\text{m} \cdot \text{K}}$ |
| | | | $\lambda_{40^{\circ}\text{C}} = 0,038 \frac{\text{W}}{\text{m} \cdot \text{K}}$ $\lambda_{\vartheta} = 0,038 + \vartheta \cdot 8 \cdot 10^{-5} + \vartheta^2 \cdot 7 \cdot 10^{-7} \frac{\text{W}}{\text{m} \cdot \text{K}}$ |
| | | | $\lambda_{40^{\circ}\text{C}} = 0,040 \frac{\text{W}}{\text{m} \cdot \text{K}}$ $\lambda_{\vartheta} = 0,040 + \vartheta \cdot 8 \cdot 10^{-5} + \vartheta^2 \cdot 7 \cdot 10^{-7} \frac{\text{W}}{\text{m} \cdot \text{K}}$ |
| Water permeability | Water absorption | | WS01 (W _p ≤ 0,1 kg/m ²) |
| Water vapour permeability | Water vapour diffusion resistance | Sheet: d _N = < 10 mm Sheet: d _N = > 10 mm Tube: d _N = 6 - 29 mm Tube: d _N = 30 - 45 mm Tape: d _N = 3mm | MU 2.000 (μ ≥ 2.000) |
| Release of corrosive substances | Minor amounts of water soluble chlorides and pH-value | | 300/7 |
| Release of dangerous substances to indoor environment | Release of dangerous substances | | NPD ^a |
| Continuous glowing combustion | Continuous glowing combustion | | NPD |
| Durability of reaction to fire against ageing/degradation | Durability characteristics ^b | | |
| Durability of thermal resistance against ageing/degradation | Durability characteristics ^c | | |
| | Maximum service temperature | Sheet: d _N = < 10 mm Sheet: d _N = > 10 mm Tube: d _N = 6 - 29 mm Tube: d _N = 30 - 45 mm Tape: d _N = 3mm | ST(+) 85°C ST(+) 110°C |
| | Minimum service temperature | Sheet: d _N = < 10 mm Sheet: d _N = > 10 mm Tube: d _N = 6 - 29 mm Tube: d _N = 30 - 45 mm Tape: d _N = 3mm | As usual for heating and sanitary systems |
| Durability of reaction to fire against high temperature | Durability characteristics ^b | | |
| Durability of thermal resistance against high temperature | Durability characteristics ^c | | |

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

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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:

Wolfgang Andrä, Quality Manager QMB/UMB

Hövelhof/30.03.2017

A handwritten signature in blue ink, appearing to read "i. H. W. Andrä", is written over a horizontal line.