

Declaration of Performance

- Nr.: DoP HFplus s2 01032018001
1. Unique identification code of the product-type: FEF Kaiflex HFplus s2
 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 = 3 - 32 mm Tube: d _N = 6 - 32 mm | D-s2, d0 DL-s2, d0 | | | |
| Acoustic absorption index | Structure-borne noise transmission Acoustic absorption | | NPD | | | |
| Thermal resistance | Thermal conductivity Dimensions and limits | Sheet: d _N = 3 - 32 mm Tube: d _N = 6 - 32 mm | °C W/(m·K) | -10°C 0,039 | 0°C 0,040* | 10°C 0,041 |
| Water permeability | Water absorption | | WS01 (W _p ≤ 0,1 kg/m ²) | | | |
| Water vapour permeability | Water vapour diffusion resistance | Sheet: d _N = 3 - 32 mm Tube: d _N = 6 - 32 mm | MU 2.000 (μ ≥ 2.000) | | | |
| Release of corrosive substances | Minor amounts of water soluble chlorides and pH-value | | 0/8 | | | |
| 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 = 3 - 32 mm Tube: d _N = 6 - 32 mm | ST(+) 85°C ST(+) 110°C | | | |
| | Minimum service temperature | Sheet: d _N = 3 - 32 mm Tube: d _N = 6 - 32 mm | ST(-) -40°C | | | |
| 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
^aλ_s ≤ 0,040 + 8,0 · 10⁻⁵ ρ + 7,0 · 10⁻⁷ ρ²

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 Lewandowski, Manager Produktqualität und -compliance

Hövelhof/01.03.2018

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