

Declaration of Performance

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| No.: | DoP KKplus s2 01092021001 |
| 1. Unique identification code of the product-type: | FEF Kaiflex KKplus s2 |
| 2. Intended use/es: | Thermal insulation for technical building equipment an industrial installations (ThIBEII) |
| 3. Manufacturer: | Kaimann GmbH
Hansastraße 2-5
D-33161 Hövelhof |
| 4. Authorised representative: | Not relevant |
| 5. System/s of AVCP | 1 |
| 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 - 42 mm	B-s2, d0 BL-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 - < 25 mm Tube: d _N = ≥ 25 mm	°C				
			-10 °C	0 °C	10 °C		
			W/(m·K)	Sheet	0,037	0,038*	0,039
			Tube	0,032	0,033*	0,034	
			Tube	0,035	0,036*	0,037	
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 - < 25 mm Tube: d _N = ≥ 25 mm	Sheet: MU 7.000 (μ ≥ 7.000) Tube: MU 10.000 (μ ≥ 10.000) Tube: MU 7.000 (μ ≥ 7.000)				
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 ^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 - 42 mm	ST(+) 85 °C ST(+) 110 °C				
	Minimum service temperature	Sheet: d _N = 3 - 32 mm Tube: d _N = 6 - 42 mm	ST(-) -50 °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

*λ_s ≤ 0,038 + 9,0144 · 10⁻⁵ ϑ + 3,29744 · 10⁻⁷ ϑ² (Sheet)

*λ_s ≤ 0,033 + 10⁻⁴ ϑ + 2,7105 · 10⁻²⁰ ϑ² | *λ_s ≤ 0,036 + 10⁻⁴ ϑ + 2,7105 · 10⁻²⁰ ϑ² (Tube)

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, 01.09.2021