

Declaration of Performance

- No.: DoP EF 01032018001
1. Unique identification code of the product-type: FEF Kaiflex EF
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: 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 - 50 mm Tube: d _N = 6 - 50 mm	B-s3, d0 B _L -s3, d0		
Acoustic absorption index	Structure-borne noise transmission Acoustic absorption		NPD		
Thermal resistance	Thermal conductivity Dimensions and limits	Sheet: d _N = 3 - 50 mm Tube: d _N = 6 - 50 mm	°C	-10 °C	0 °C
Water permeability	Water absorption		W/(m·K)	0,035	0,036*
Water vapour permeability	Water vapour diffusion resistance	Sheet: d _N = 3 - 50 mm Tube: d _N = 6 - 50 mm	WS01 (W _p ≤ 0,1 kg/m²)		
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 = 3 - 50 mm Tube: d _N = 6 - 50 mm	ST(+) 85 °C ST(+) 110 °C		
	Minimum service temperature	Sheet: d _N = 3 - 50 mm Tube: d _N = 6 - 50 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

*λ₀ ≤ 0,036 + 7,2 · 10⁻⁵ θ + 1,2 · 10⁻⁶ θ²

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