

Declaration of Performance

- Nr.: DoP KKplus s2 01032018001
- Unique identification code of the product-type: FEF Kaiflex KKplus s2
 - Intended use/es: Thermal insulation for technical building equipment and industrial installations (ThIBell).
 - Manufacturer: Kaimann GmbH
Hansastraße 2-5
D-33161 Hövelhof
 - Authorised representative: Not relevant
 - System/s of AVCP: 1
 - 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
 - Declared performance/s:

Essential Features		Performance				
Reaction to fire euroclass-characteristics	Reaction to fire	Sheet: d _N = 3 - 32 mm Tube: d _N = 7 - 42 mm	B-s2, d0 B _L -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 = 7 - 42 mm	°C	-10°C	0°C	10°C
			W/(m·K)	Sheet 0,037	0,038*	0,039
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 = 7 - 42 mm	Sheet: MU 7.000 (μ ≥ 7.000) Tube: MU 10.000 (μ ≥ 10.000)			
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 characteristics ^c					
Durability of thermal resistance against ageing/degradation	Maximum service temperature	Sheet: d _N = 3 - 32 mm Tube: d _N = 7 - 42 mm	ST(+) 85°C ST(+) 110°C			
	Minimum service temperature	Sheet: d _N = 3 - 32 mm Tube: d _N = 7 - 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_b ≤ 0,038 + 0,0 · 10⁻⁵ θ + 1,2 · 10⁻⁷ θ² (Sheet)

*λ_b ≤ 0,033 + 7,2 · 10⁻⁵ θ + 1,2 · 10⁻⁶ θ² (Tube)

- 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

