

Declaration of Performance

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| No.: | DoP Protect Alu-Tec 001 |
| 1. Unique identification code of the product-type: | FEF Kaiflex Protect Alu-Tec |
| 2. Intended use/es: | Thermal insulation for technical building equipment and industrial installations (ThIBEII) |
| 3. Manufacturer: | Kaimann GmbH
Hansastraße 2-5
D-33161 Hövelhof |
| 4. System/s of AVCP | 3 |
| 5. Harmonised standard: | Declaration of performance according to product standard EN 14304:2009+A1:2013 |
| Notified body/ies: | 0751 "Forschungsinstitut für Wärmeschutz e.V. München" |
| 6. 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	E E _L			
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	°C	-10 °C	0 °C	10 °C
			W/(m·K)	0,032	0,033*	0,034
		Sheet: d _N = ≥ 32 mm Tube: d _N = ≥ 25 mm	W/(m·K)	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 - 50 mm Tube: d _N = 6 - 50 mm	MU 10.000 (μ ≥ 10.000)			
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 - 50 mm Tube: d _N = 6 - 50 mm	ST(+) 80 °C			
	Minimum service temperature	Sheet: d _N = 3 - 50 mm Tube: d _N = 6 - 50 mm	ST(-) -30 °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 ≤ 0,033 + 7,1316 · 10⁻⁵ θ + 1,2533 · 10⁻⁶ θ² | **λ₀ ≤ 0,036 + 7,1316 · 10⁻⁵ θ + 1,2533 · 10⁻⁶ θ²

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:

Andrea Trox, Head of Quality Management



Hövelhof, 21.11.2022