

Declaration of Performance

- Nr.: DoP PE 01032018001
- Unique identification code of the product-type: PEF Kaifoam PE available as:
Kaifoam PE-RO, Kaifoam PE-DH, Kaifoam PE-DHplus, Kaifoam PE-DWS
Kaifoam PE-AB
 - Intended use/es: Thermal insulation for technical building equipment and industrial installations (ThIBell).
 - Hersteller: Kaimann GmbH
Hansastraße 2-5
D-33161 Hövelhof
 - Authorised representative: Not relevant
 - System/s of AVCP: 3
 - Harmonised standard: Declaration of performance according to product standard EN 14313:2009+A1:2013
 - Notified body/ies: 0751 "Forschungsinstitut für Wärmeschutz e.V. München"
 - European Assessment Document: Not relevant
 - Declared performance/s:

Essential Features		Performance				
Reaction to fire euroclass-characteristics	Reaction to fire	Sheet/Stripes: d _N = 1 - 5 mm Tube: d _N = 5 - 27 mm	E EL			
Acoustic absorption index**	Structure-borne noise transmission Acoustic absorption	Sheet/Stripes: d _N = 1 - 5 mm Tube: d _N = 5 - 27 mm	Installation sound level L _{in} [db(A)]			
			Volume flow (l/s)			
			1,0	2,0		
			with structure borne noise insulation	25	28	
	without structure borne noise insulation	33	37			
Thermal resistance	Thermal conductivity Dimensions and limits	Sheet/Stripes: d _N = 1 - 5 mm Tube: d _N = 5 - 27 mm	°C	30°C	40°C	50°C
Water permeability	Water absorption		W/(m·K)	0,035	0,036*	0,037
Water vapour permeability	Water vapour diffusion resistance	Sheet/Stripes: d _N = 1 - 5 mm Tube: d _N = 5 - 27 mm	WS005 (W _p ≤ 0,05 kg/m ²)			
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		10/7			
Continuous glowing combustion	Continuous glowing combustion		NPD ^a			
Durability of reaction to fire against ageing/degradation	Continuous glowing combustion		NPD			
Durability of thermal resistance against ageing/degradation	Durability characteristics ^b					
	Durability characteristics ^c					
	Maximum service temperature	Sheet: d _N = 5 - 27 mm	ST(+) 100°C			
	Minimum service temperature	Sheet: d _N = 5 - 27 mm	NPD			
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 polyetylen based foam does not change with time.

c The thermal conductivity of polyetylen based foam does not change with time.

NPD = No Performance Determined

*λ_s ≤ 0,036 + 8,0 · 10⁻⁸ θ + 7,0 · 10⁻⁷ θ²

** without Kaifoam PE-DHplus

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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

A handwritten signature in black ink, appearing to read "W. Lewandowski", is written over a horizontal line.