

Declaration of Performance

- Nr.: DoP PE 30032017001
- 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 = 4 - 27 mm	E E _L
Acoustic absorption index*	Structure-borne noise transmission Acoustic absorption	Sheet/Stripes: d _N = 1 - 5 mm Tube: d _N = 4 - 27 mm	Installation sound level L _n [db(A)]
			Volume flow (l/s)
			1,0 2,0
			with structure borne noise insulation without structure borne noise insulation
25 33	28 37		
Thermal resistance	Thermal conductivity Dimensions and limits	Sheet/Stripes: d _N = 1 - 5 mm Tube: d _N = 4 - 27 mm	$\lambda_{40^{\circ}\text{C}} = 0,040 \frac{\text{W}}{\text{m} \cdot \text{K}}$ $\lambda_{\vartheta} = 0,040 + \vartheta \cdot 8 \cdot 10^{-5} + \vartheta^2 \cdot 7 \cdot 10^{-7} \frac{\text{W}}{\text{m} \cdot \text{K}}$
Water permeability	Water absorption		WS005 (W _p ≤ 0,05 kg/m ²)
Water vapour permeability	Water vapour diffusion resistance	Sheet/Stripes: d _N = 1 - 5 mm Tube: d _N = 4 - 27 mm	NPD
Release of corrosive substances	Minor amounts of water soluble chlorides and pH-value		10/7
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 = 4 - 27 mm	ST(+) 100°C
	Minimum service temperature	Sheet: d _N = 4 - 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.
* without Kaifoam PE-DHplus
NPD= No Performance Determined

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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 Andrä, Quality Manager QMB/UMB

Hövelhof/30.03.2017

A handwritten signature in blue ink, appearing to read "i. A. W. Andrä", is written over a horizontal line.