

Declaration of Performance

- Nr.: DoP HTplus 01032018001
1. Unique identification code of the product-type: FEF Kaiflex HTplus
 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: 3
 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: $d_N = < 10$ mm Sheet: $d_N = > 10$ mm Tube: $d_N = 6 - 29$ mm Tube: $d_N = 30 - 45$ mm Tape: $d_N = 3$ mm	C-s3, d0 D-s3, d0 B _L -s3, d0 C _L -s3, d0 B-s3, d0			
Acoustic absorption index	Structure-borne noise transmission Acoustic absorption		NPD			
Thermal resistance	Thermal conductivity Dimensions and limits		°C	30°C	40°C	50°C
			W/(m·K)	$d_N \leq 15$ mm $d_N > 15$ mm ≤ 24 mm $d_N > 24$ mm	0,032 0,035 0,037	0,033* 0,036* 0,038*
Water permeability	Water absorption		WS01 ($W_p \leq 0,1$ kg/m ²)			
Water vapour permeability	Water vapour diffusion resistance	Sheet: $d_N = < 10$ mm Sheet: $d_N = > 10$ mm Tube: $d_N = 6 - 29$ mm Tube: $d_N = 30 - 45$ mm Tape: $d_N = 3$ mm	MU 2.000 ($\mu \geq 2.000$)			
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 of thermal resistance against ageing/degradation	Durability characteristics ^c					
	Maximum service temperature	Sheet: $d_N = < 10$ mm Sheet: $d_N = > 10$ mm Tube: $d_N = 6 - 29$ mm Tube: $d_N = 30 - 45$ mm Tape: $d_N = 3$ mm	ST(+) 85°C ST(+) 110°C			
	Minimum service temperature	Sheet: $d_N = < 10$ mm Sheet: $d_N = > 10$ mm Tube: $d_N = 6 - 29$ mm Tube: $d_N = 30 - 45$ mm Tape: $d_N = 3$ mm	As usual for heating and sanitary systems			
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

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* $\lambda_{A0} \leq 0,033 + 7,2 \cdot 10^{-6} \vartheta + 1,2 \cdot 10^{-6} \vartheta^2$ ($d_N \leq 15$ mm)
* $\lambda_{A0} \leq 0,036 + 7,2 \cdot 10^{-6} \vartheta + 1,2 \cdot 10^{-6} \vartheta^2$ (15 mm $\leq d_N \leq 24$ mm)
* $\lambda_{A0} \leq 0,038 + 7,2 \cdot 10^{-6} \vartheta + 1,2 \cdot 10^{-6} \vartheta^2$ ($d_N \geq 24$ mm)

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 "N. Lewandowski".