Declaration of Performance

Nr.: DoP KKplus 30032017001

1. Unique identification code of the product-type:FEF Kaiflex KKplus
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. Authorised representative: Not relevant
5. System/s of AVCP: 1
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= 3 - 50 mm Tube: d_N= 6 - 45 mm	B-s3,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 - 50 mm Tube: d_N= 6 - 45 mm	$\lambda_{0°C} = 0{,}033 \frac{W}{m \cdot K}$	$\lambda_\vartheta = 0{,}033 + \vartheta \cdot 8 \cdot 10^{-5} + \vartheta^2 \cdot 7 \cdot 10^{-7} \frac{W}{m \cdot K}$
Water permeability	Water absorption		WS01 ($W_p \leq 0{,}1$ kg/m^2)	
Water vapour permeability	Water vapour diffusion resistance	Sheet: d_N= 3 - 50 mm Tube: d_N= 6 - 45 mm	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 of thermal resistance against ageing/degradation	Durability characteristics[c]			
	Maximum service temperature	Sheet: d_N= 3 - 50 mm Tube: d_N= 6 - 45 mm	ST(+) 85°C ST(+) 110°C	
	Minimum service temperature	Sheet: d_N= 3 - 50 mm Tube: d_N= 6 - 45 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 termal conductivity of flexible elastomeric foam does not change with time.
NPD= No Performance Determined

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 indentified above.

Signed for and on behalf of the manufacturer by:

Wolfgang Andrä, Quality Manager QMB/UMB

Hövelhof/30.03.2017