Declaration of Performance

No.: DoP Duct plus 001
1. Unique identification code of the product-type: FEF Kaiflex Duct plus
2. Intended use/es: Thermal insulation for technical building equipment an industrial installations (ThIBEll)
3. Manufacturer: Kaimann GmbH
Hansastraße 2-5
D-33161 Hövelhof
4. System/s of AVCP 1
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= 6 - 30 mm	B-s3, d0			
Acoustic absorption index	Structure-borne noise transmission Acoustic absorption		NPD			
Thermal resistance	Thermal conductivity Dimensions and limits	Sheet: d_N= 6 - 30 mm	°C	-10 °C	0 °C	10 °C
			W/(m•K)	0,035	0,036*	0,037
Water permeability	Water absorption		WS01 ($W_P \leq$ 0,1 kg/m^2)			
Water vapour permeability	Water vapour diffusion resistance	Sheet: d_N= 6 - 30 mm	MU 7.000 ($\mu \geq$ 7.000)			
Release of corrosive substances	Minor amounts of water soluble chlorides and pH- value		500/7			
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= 6 - 30 mm	ST(+) 70 °C			
	Minimum service temperature	Sheet: d_N= 6 - 30 mm	ST(-) -40 °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
*$\lambda_\vartheta \leq$ 0,036 + 7,1316 · 10^{-5} ϑ + 1,2533 · 10^{-6} ϑ^2

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:

Andrea Trox, Head of Quality Management

A. Trox

Hövelhof, 21.11.2022