Declaration of Performance

No.:		DoP ST s2 01092021001
1.	Unique identification code of the product-type:	FEF Kaiflex ST s2
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.	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	d_N 6 - 45 mm d_N 46 - 60 mm	B_L-s2, d0 C_L-s2, d0			
Acoustic absorption index	Structure-borne noise transmission Acoustic absorption		NPD			
Thermal resistance	Thermal conductivity Dimensions and limits	d_N 6 - < 25 mm d_N ≥ 25 mm	°C	-10 °C	0 °C	10 °C
			W/(m•K)	0,032	0,033*	0,034
			W/(m•K)	0,035	0,036**	0,037
Water permeability	Water absorption		WS01 (W_P ≤ 0,1 kg/m²)			
Water vapour permeability	Water vapour diffusion resistance	d_N 6 - < 25 mm d_N ≥ 25 mm	MU 10.000 (µ ≥ 10.000) MU 7.000 (µ ≥ 7000)			
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		ST(+) 110 °C			
	Minimum service temperature		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 thermal conductivity of flexible elastomeric foam does not change with time.
NPD = No Performance Determined
*λ_ϑ ≤ 0,033 + 7,1316 · 10^{-5} ϑ + 1,2533 · 10^{-6} ϑ^2 | **λ_ϑ ≤ 0,036 + 7,1316 · 10^{-5} ϑ + 1,2533 · 10^{-6} ϑ^2

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:

Jesko Adler, CIO / Head of Quality

Hövelhof, 26.01.2022