

DECLARATION OF PERFORMANCE

No. 54010103201-01GC-CPR-24

Unique identification code of the product-type:	54010103201-01GC
Intended use/es:	K-FLEX S1, 6-25 mm, Ø 6-300 mm, pipe* ThIBEL : Flexible Elastomeric Foam, intended to be used as Thermal insulation for building equipment and industrial installations.
Manufacturer:	L'Isolante K-Flex Spa, Via Don Locatelli 35, 20877 Roncello (MB), ITALY
System/s of AVCP:	1 & 3
Harmonised standard:	EN 14304:2009+A1:2013
Notified body:	Notified certification body No. 0751. Notified testing laboratory No. 2904.

Declared performance/s:

Essential Characteristics	Performance
Thermal resistance / Thermal conductivity	$\lambda_{0^{\circ}\text{C}} \leq 0,040 \text{ W/(m}^{\circ}\text{K)}$ $\lambda_{40^{\circ}\text{C}} \leq 0,044 \text{ W/(m}^{\circ}\text{K)}$ $\lambda(\vartheta_m) = (40 + 0,087 \cdot \vartheta_m + 0,00098 \cdot \vartheta_m^2) / 1000 \text{ W/(m}^{\circ}\text{K)}$
Dimensions and tolerances	Di = 6-300 mm, dD = 6-25 mm
Reaction to fire	BL-s1,d0
Durability of thermal resistance against ageing/degradation	Dimensional stability (1) Minimum service temperature ST(-) -40 (= -40 °C)
Durability of thermal resistance against high temperature	Maximum service temperature ST(+) 110 (=110 °C)
Durability of reaction to fire against high temperature	(2)
Durability of reaction to fire against ageing / degradation	(2)
Compressive strength	(3)
Water permeability	WS01
Water vapour permeability / Water vapour diffusion resistance	7000 μ
Rate of release of corrosive substances	Cl<300ppm, pH = 7
Acoustic (absorption) index	NPD
Release of dangerous substances to the indoor environment	(4)
Continuous glowing combustion	(4)

*Tolerances as per European Regulation EN 14304:2009+A1:2013 – Table 1

- 1) The thermal conductivity of FEF does not change with time.
 - 2) The fire performance of FEF does not change with time.
 - 3) Compressive strength is not applicable for FEF products.
 - 4) European test methods are under development
- NPD = No Performance Determined.

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.

Roncello, 21/03/2025

Signed for and on behalf of the manufacturer by:



Amedeo Spinelli, President