DECLARATION OF PERFORMANCE

No. 54010102201-CPR-24

Unique identification code of the product-type:	**54010102201**
	K-FLEX S1, 6-25 mm, Ø 6-300 mm, pipe*
Intended use/es:	**ThIBEII : 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	$\lambda_{°C} \leq 0{,}040$ W/(m*K) $\lambda_{40°C} \leq 0{,}044$ W/(m*K) $\lambda(\vartheta_m) = (40 + 0{,}087*\vartheta_m + 0{,}00098*\vartheta_m^2)/1000$ W/(m*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