

DECLARATION OF PERFORMANCE

No. 01100105201-CPR-16

Unique identification code of the product-type:	01100105201 K-FLEX ST, 3-25 mm, sheet*
Intended use/es:	ThIBELL : 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. 0497.

Declared performance/s:

Essential Characteristics	Performance
Thermal resistance / Thermal conductivity	$\lambda_c \leq 0,033 \text{ W/(m}^{\circ}\text{K)}$ $\lambda_{40^{\circ}\text{C}} \leq 0,037 \text{ W/(m}^{\circ}\text{K)}$ $\lambda(\vartheta_m) = (33 + 0,087 \cdot \vartheta_m + 0,00098 \cdot \vartheta_m^2) / 1000 \text{ W/(m}^{\circ}\text{K)}$
Dimensions and tolerances	dD = 3-25 mm
Reaction to fire	B-s3,d0
Durability of thermal resistance against ageing/degradation	Dimensional stability (1) Minimum service temperature ST(-) -165 (= -165 °C)
Durability of thermal resistance against high temperature	Maximum service temperature ST(+) 85 (= 85 °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	10000 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, 02/07/2024

Signed for and on behalf of the manufacturer by:



Amedeo Spinelli, President