

# DECLARATION OF PERFORMANCE

No. 01060108201-0024-CPR-16

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|---|---|
| Unique identification code of the product-type: | 01060108201-0024<br>K-FLEX ST, 3 mm, tape*  |
| 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. 0497.   |

**Declared performance/s:**

| Essential Characteristics                                     | Performance  |
|---|--|
| Thermal resistance / Thermal conductivity                     | $\lambda_{0^{\circ}\text{C}} \leq 0,033 \text{ W}/(\text{m}^{\circ}\text{K})$<br>$\lambda_{40^{\circ}\text{C}} \leq 0,037 \text{ W}/(\text{m}^{\circ}\text{K})$<br>$\lambda(\vartheta_m) = (33 + 0,087 \cdot \vartheta_m + 0,00098 \cdot \vartheta_m^2) / 1000 \text{ W}/(\text{m}^{\circ}\text{K})$ |
| Dimensions and tolerances                                     | dD = 3 mm  |
| Reaction to fire  | B-s2,d0  |
| Durability of thermal resistance against ageing/degradation   | Dimensional stability (1)<br>Minimum service temperature ST(-) -40 (= -40 °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 | 7000 $\mu$   |
| 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, 01/07/2024

Signed for and on behalf of the manufacturer by:



Amedeo Spinelli, President