CE EN14304:2009+A1:2013

DECLARATION OF PERFORMANCE

No. 01100605201-CPR-18

Unique identification code of the product-type:	**01100605201**
	K-FLEX ST AL CLAD, 3-25 mm, sheet*
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 testing laboratory No. 0497 performed the test report for reaction to fire. Notified testing laboratory No. 0751 performed the test reports for the other relevant declared characteristics.**

Declared performance/s:

Essential Characteristics	Performance
Thermal resistance / Thermal conductivity	$\lambda_{0°C} \leq 0{,}033$ W/(m*K) $\lambda_{40°C} \leq 0{,}037$ W/(m*K) $\lambda(\vartheta_m) = (33 + 0{,}087*\vartheta_m + 0{,}00098*\vartheta_m^2)/1000$ W/(m*K)
Dimensions and tolerances	dD = 3-25 mm
Reaction to fire	D-s3,d0 (with K-FLEX ST)
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(+) 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^-<500ppm, 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.
This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 (Requirements for Safety Data Sheets) of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in product data sheet.
As required by article 33 of regulation (EC) No 1907/2006 (Duty to comunicate information on substances in article) we declare as follows: Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w).

Roncello, 12/02/2021
Signed for and on behalf of the manufacturer by:

Amedeo Spinelli, President