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DECLARATION OF PERFORMANCE No 0571

1. Unique identification code of the product-type: **KLIMAEXPERT System**

Products system components: Keraklima Eco, Klima Air (variante EPS WHITE TR100), Klima Air Black (variante EPS BLACK TR100), Rinforzo V50, Kerakover Eco Acrilex Fondo, Kerakover Eco Kompact

2. Intended use/es: **External thermic insulation of walls and buildings**

3. Manufacturer: **Kerakoll Ibérica, S.A. – Ctra. Alcora Km 10,450 Castellón - España**

4. System/s of AVCP: **System 2+**

5. European Assessment Document: **EAD 040083-00-0404, January 2019**

European Technical Assessment:: **ETA-22/0161 of 25/02/2022**

Technical Assessment Body: **ITEC**

Notified body/ies: **ITEC n°1220**

6. Declared performance/s:

- Safety in case of fire (BWR 2)

Essential characteristics	Performance
Reaction to fire	
- Reaction to fire of ETICS	Euroclasse B - s2 d0
- Reaction to fire of thermal insulation material	Euroclasse E
Facade fire performance	NPA
Propensity to undergo continuous smouldering of ETICS	NPA

- Hygiene, health and the environment (BWR 3)

Essential characteristics	Performance
Content, emission and/or release of dangerous substances – leachable substances	NPA
Water absorption	
- of the base coat and the rendering system (after 24 h)	
<i>Keraklima Eco</i>	0.170 Kg/m ² 0.091 Kg/m ²
- of the thermal insulation product	W _p ≤ 0.5 kg/m ²
Hygrothermal behaviour	satisfied
Freeze thaw performance	satisfied
Impact resistance	category II
Water vapour permeability	
- of the rendering system	S _D 1.0
- of the thermal insulation product	20-30 μ

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KERAKOLL IBÉRICA S.A. – Carretera de Alcora, km. 10,450 – 12006 Castellón de la Plana – España

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C.I.F. A-12331435. Inscrita en el Registro Mercantil de CASTELLÓN, TOMO 594, LIBRO 161, FOLIO 101, HOJA N.º CS 4393, INSC. I.ª SECC. G.



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- Safety and accessibility in use (BWR 4)

Essential characteristics		Performance	
Bond strength (dry conditions)			
- between base coat and insulation product	100 Cs	159	151
- between adhesive and concrete	100 Ca	1192	1164
- between adhesive and insulation product	100 Cs	159	151
Tensile strength_EPS (dry conditions)		EPS-EN 13163-TR100	
Shear strength		≥ 20 kPa	
Modulus of elasticity		≥ 1000 kPa	
Bond strength after ageing of finishing coat tested on the rig			
		Failure mode ¹ (%)	Mean value (kPa)
	<i>Insulation and base coat</i>	100 Cs	90
	<i>Insulation/Base Coat/Key Coat/Finishing</i>	100 Cs	80

- Protection against noise (BWR 5)

Essential characteristics	Performance
Airborne sound insulation of ETICS	NPA

- Energy economy and Heat retention (BWR 7)

Essential characteristics	Performance	
	Thickness min (mm)	Thermal resistance (m ² K/W)
<i>Klima Air</i>	40	1.10
<i>Klima Air Black</i>	40	1.30

¹ Cs: Cohesive failure in substrate; Ca: Cohesive failure into adhesive

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.

Signed for and on behalf of the manufacturer by: **Pau Ramia (legal representative)**

At Castellon, on 30/06/2023

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