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DECLARATION OF PERFORMANCE No 0628

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

Products system components: Klima Light Calce, Klima Airwool, Klima Airwool Plus, Rinforzo V50, Kerakover Silox Fondo, Biocalce Silicato Fondo, Kerakover Acrilex Fondo, Kerakover Silox Finish, Biocalce Silicato Puro, Kerakover Acrilex Finish, Kerakover Kompact new

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

3. Manufacturer: **Kerakoll S.p.A Via dell'Artigianato, 9 - 41049 Sassuolo (MO) Italia**

4. System/s of AVCP: **System 1**

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

European Technical Assessment: **ETA-22/0329 del 03/10/2023**

Technical Assessment Body: **TZUS (TECHNICKY A ZKUSEBNI USTAV STAVEBNI PRAHA s.p.)**

Notified body/ies: **TZUS n°1020**

6. Declared performance/s:

- Safety in case of fire (BWR 2)

Essential characteristics	Performance
Reaction to fire	
- Reaction to fire of ETICS	A2 -s1, d0
- Reaction to fire of thermal insulation material	Euroclasse A1

- 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>Klima Light Calce</i>	0.43 Kg/m ²
<i>Klima Light Calce + Kerakover Silox Finish</i>	0.38 Kg/m ²
<i>Klima Light Calce + Biocalce Silicato Puro</i>	0.42 Kg/m ²
<i>Klima Light Calce + Kerakover Acrilex Finish</i>	0.44 Kg/m ²
<i>Klima Light Calce + Kerakover Kompact New</i>	0.43 Kg/m ²
- of the thermal insulation product (Long term)	max 3.0 kg/m ²
Hygrothermal behaviour	satisfied
Freeze thaw performance	satisfied
Impact resistance	category II
Water vapour permeability of the rendering system	
<i>Klima Light Calce + Kerakover Silox Finish</i>	S _d 0.4
<i>Klima Light Calce + Biocalce Silicato Puro</i>	S _d 0.2

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Essential characteristics	Performance
Water vapour permeability of thermal insulation product	μ 1

- Safety and accessibility in use (BWR 4)

Essential characteristics		Performance	
Bond strength (after hygrothermal cycles)	Failure mode	Mean value (kPa)	Min. value (kPa)
- between base coat and thermal insulation product (mortar or paste)	In the insulation product	2,7	2,4
- between adhesive and substrate		NPA	
- between adhesive and thermal insulation product		NPA	
Fixing strength (transverse displacement)		NPA	
Wind load resistance of ETICS			
- pull-through test of fixings		§ 3.3.2 ETA	
- static foam block test		NPA	
- dynamic wind uplift test		NPA	
Shear strength (minimum value)			
Tensile test perpendicular to the faces of the thermal insulation product			
- in dry conditions		min 10.0 kPa	
- in wet conditions		NPA	
Shear strength and shear modulus of elasticity test of ETICS		NPA	
Render strip tensile test		NPA	
Bond strength after ageing of finishing coat tested in the rig	Failure mode	Mean value (kPa)	
<i>Kerakover Silox Finish</i>	In the insulation product	6.5	
<i>Biocalce Silicato Puro</i>	In the insulation product	6.8	
Bond strength after ageing of finishing coat not tested in the rig		NPA	
Tensile strength of the glass fibre mesh		See Annex N° 7 ETA	

- Protection against noise (BWR 5)

Essential characteristics	Performance
Airborne sound insulation of ETICS	§ 3.4.1 ETA
Dynamic stiffness of the thermal insulation product	NPA
Air flow resistance of the thermal insulation product	NPA

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- Energy economy and Heat retention (BWR 7)

Essential characteristics	Performance
Thermal resistance and thermal transmittance of ETICS	$\geq 1 \text{ m}^2\text{K/W}$
Thermal resistance of the thermal insulation product	max $0.065 \text{ W}/(\text{m}^2\text{K})$

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: **Romano Sghedoni (legal representative)**

At Sassuolo, on 02/01/2024

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