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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, Keraklima Eco Granello, Klima Fix, 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-24/0394 del 16/08/2024**

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	See Annex 3-Annex 5 for component characteristic

- 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 Fix white</i>	0.42 Kg/m ²
<i>Klima Fix Grey</i>	0.48 Kg/m ²
<i>Keraklima Eco Granello</i>	0.21 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
<i>Klima Fix (white/grey) + Kerakover Silox Finish</i>	0.46 Kg/m ²
<i>Klima Fix (white/grey) + Biocalce Silicato Puro</i>	0.42 Kg/m ²
<i>Klima Fix (white/grey) + Kerakover Acrilex Finish</i>	0.30 Kg/m ²
<i>Klima Fix (white/grey) + Kerakover Kompact New</i>	0.46 Kg/m ²
<i>Keraklima Eco Granello + Kerakover Silox Finish</i>	0.47 Kg/m ²
<i>Keraklima Eco Granello + Biocalce Silicato Puro</i>	0.38 Kg/m ²
<i>Keraklima Eco Granello + Kerakover Acrilex Finish</i>	0.48 Kg/m ²
<i>Keraklima Eco Granello + Kerakover Kompact New</i>	0.47 Kg/m ²

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Essential characteristics	Performance
Water absorption	
- of the insulation product	See Annex 3-Annex 5 for component characteristic
Hygrothermal behaviour	satisfied
Freeze thaw performance	satisfied
Impact resistance	category II - III
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>	$S_d 0.2$
<i>Klima Fix (white/grey) + Kerakover Silox Finish</i>	$S_d 0.29$
<i>Klima Fix (white/grey) + Biocalce Silicato Puro</i>	$S_d 0.25$
<i>Klima Fix (white/grey) + Kerakover Acrilex Finish</i>	$S_d 0.84$
<i>Klima Fix (white/grey) + Kerakover Kompact New</i>	$S_d 0.92$
<i>Keraklima Eco Granello + Kerakover Silox Finish</i>	$S_d 0.39$
<i>Keraklima Eco Granello + Biocalce Silicato Puro</i>	$S_d 0.24$
<i>Keraklima Eco Granello + Kerakover Acrilex Finish</i>	$S_d 0.84$
<i>Keraklima Eco Granello + Kerakover Kompact New</i>	$S_d 0.94$
Water vapour permeability of thermal insulation product	See Annex 3-Annex 5 for component characteristic

- Safety and accessibility in use (BWR 4)

Essential characteristics		Performance	
Bond strength between base coat and thermal insulation product (mortar or paste) - dry condition			
	Failure mode	Mean value (kPa)	Min. value (kPa)
<i>Insulation products 1,2,3 + Klima Light Calce</i>	In the insulation product	8	7
<i>Insulation products 1,3 + Klima Fix (white/grey)</i>	In the insulation product	7	6
<i>Insulation product 2 + Klima Fix (white/grey)</i>	In the insulation product	11	10
<i>Insulation products 1,3 + Keraklima Eco Granello</i>	In the insulation product	7	6
<i>Insulation product 2 + Keraklima Eco Granello</i>	In the insulation product	10	10
Bond strength between base coat and thermal insulation product (mortar or paste) – After hygrothermal cycles			
<i>Insulation products 1,2,3 + Klima Light Calce</i>	In the insulation product	5	5
<i>Insulation products 1,3 + Klima Fix (white/grey)</i>	In the insulation product	6	6
<i>Insulation product 2 + Klima Fix (white/grey)</i>	In the insulation product	10	9

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Essential characteristics		Performance	
<i>Insulation products 1,3 + Keraklima Eco Granello</i>	In the insulation product	8	7
<i>Insulation product 2 + Keraklima Eco Granello</i>	In the insulation product	10	10
Bond strength between adhesive and substrate		NPA	
Bond strength 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	
Tensile test perpendicular to the faces of the thermal insulation product			
- in dry conditions		See Annex 3-Annex 5 for component characteristic	
- 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 (Mean value) <i>Rupture type: in the insulation product</i>			
<i>Thermal insulation product 2</i> Klima Light Calce <i>Key coat in accordance with table 1 ETA</i> <i>Finishing coat Kerakover Acrilex Finish</i>		10 kPa	
<i>Thermal insulation product 2</i> Klima Light Calce <i>Key coat in accordance with table 1 ETA</i> <i>Finishing coat Kerakover Kompact new</i>		10 kPa	
<i>Thermal insulation product 2</i> Klima Fix (white/grey) <i>Key coat in accordance with table 1 ETA</i> <i>Finishing coat Kerakover Acrilex Finish</i>		12 kPa	
<i>Thermal insulation product 2</i> Klima Fix (white/grey) <i>Key coat in accordance with table 1 ETA</i> <i>Finishing coat Kerakover Silox Finish</i>		9 kPa	
<i>Thermal insulation product 2</i> Klima Fix (white/grey) <i>Key coat in accordance with table 1 ETA</i> <i>Finishing coat Biocalce Silicato Puro</i>		15 kPa	
<i>Thermal insulation products 1,2,3</i> Klima Light Calce <i>Key coat in accordance with table 1 ETA</i> <i>Finishing coat Kerakover Silox Finish</i>		6.5 kPa	
<i>Thermal insulation products 1,2,3</i> Klima Light Calce <i>Key coat in accordance with table 1 ETA</i> <i>Finishing coat Biocalce Silicato Puro</i>		6.8 kPa	
Bond strength after ageing of finishing coat NOT tested in the rig (Mean value) <i>Rupture type: in the insulation product</i>			
<i>Thermal insulation product 2</i> Klima Light Calce <i>Key coat in accordance with table 1 ETA</i> <i>Finishing coat Kerakover Acrilex Finish</i>		10 kPa	
<i>Thermal insulation product 2</i> Klima Light Calce <i>Key coat in accordance with table 1 ETA</i> <i>Finishing coat Kerakover Kompact new</i>		11 kPa	

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Essential characteristics	Performance
<i>Thermal insulation products 1,2,3</i> Klima Light Calce Key coat in accordance with table 1 ETA Finishing coat Kerakover Silox Finish	7 kPa
<i>Thermal insulation products 1,2,3</i> Klima Light Calce Key coat in accordance with table 1 ETA Finishing coat Biocalce Silicato Puro	7 kPa
<i>Thermal insulation products 1,2,3</i> Klima Light Calce Key coat in accordance with table 1 ETA Finishing coat Kerakover Acrilex Finish	7 kPa
<i>Thermal insulation products 1,2,3</i> Klima Light Calce Key coat in accordance with table 1 ETA Finishing coat Kerakover Kompact new	7 kPa
<i>Thermal insulation products 1,2,3</i> Klima Fix white Key coat in accordance with table 1 ETA Finishing coat Kerakover Silox Finish	7 kPa
<i>Thermal insulation products 1,2,3</i> Klima Fix white Key coat in accordance with table 1 ETA Finishing coat Biocalce Silicato Puro	7 kPa
<i>Thermal insulation products 1,2,3</i> Klima Fix white Key coat in accordance with table 1 ETA Finishing coat Kerakover Acrilex Finish	7 kPa
<i>Thermal insulation products 1,2,3</i> Klima Fix white Key coat in accordance with table 1 ETA Finishing coat Kerakover Kompact new	7 kPa
<i>Thermal insulation products 1,2,3</i> Klima Fix grey Key coat in accordance with table 1 ETA Finishing coat Kerakover Silox Finish	7 kPa
<i>Thermal insulation products 1,2,3</i> Klima Fix grey Key coat in accordance with table 1 ETA Finishing coat Biocalce Silicato Puro	8 kPa
<i>Thermal insulation products 1,2,3</i> Klima Fix grey Key coat in accordance with table 1 ETA Finishing coat Kerakover Acrilex Finish	7 kPa
<i>Thermal insulation products 1,2,3</i> Klima Fix grey Key coat in accordance with table 1 ETA Finishing coat Kerakover Kompact new	6 kPa
<i>Thermal insulation products 1,2,3</i> Keraklima Eco Granello Key coat in accordance with table 1 ETA Finishing coat Kerakover Silox Finish	8 kPa
<i>Thermal insulation products 1,2,3</i> Keraklima Eco Granello Key coat in accordance with table 1 ETA Finishing coat Biocalce Silicato Puro	7 kPa
<i>Thermal insulation products 1,2,3</i> Keraklima Eco Granello Key coat in accordance with table 1 ETA Finishing coat Kerakover Acrilex Finish	8 kPa
<i>Thermal insulation products 1,2,3</i> Keraklima Eco Granello Key coat in accordance with table 1 ETA Finishing coat Kerakover Kompact new	8 kPa

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Essential characteristics	Performance
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

- 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	See Annex 3-Annex 5 for component characteristic

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 17/09/2024

Note:

Thermal insulation product 1: Klima Airwool
Thermal insulation product 2: Klima Airwool plus
Thermal insulation product 3: Mineral wool TR10

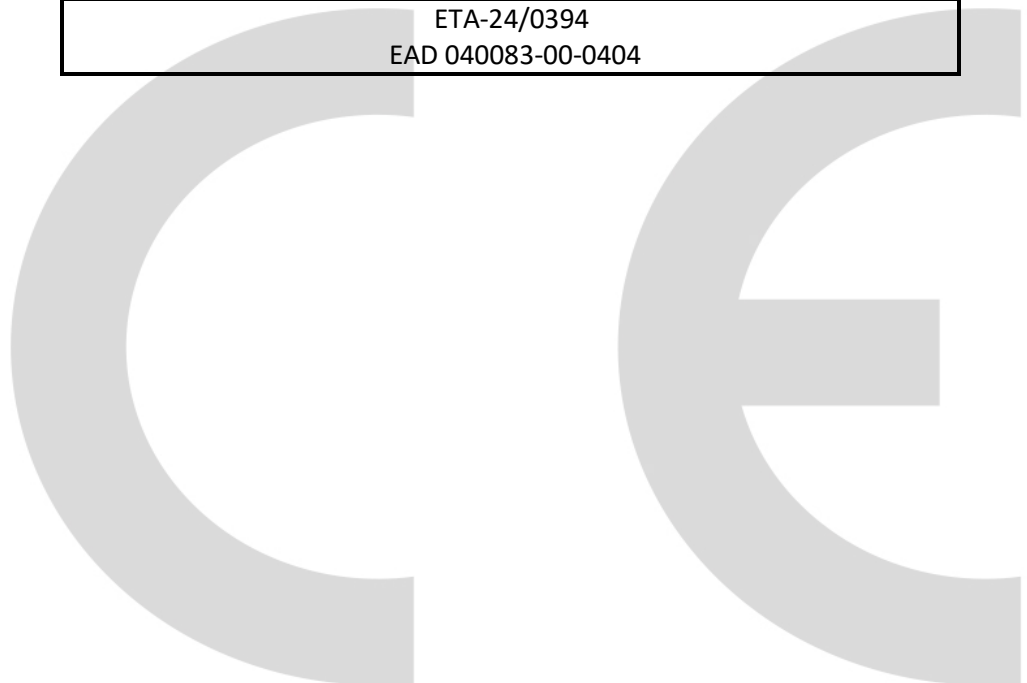
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