



# kerakoll

## DECLARATION OF PERFORMANCE No 0282

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

*Products system components: Klima Flex, Keraklima Eco, Keraklima Eco Granello, Klima Fix, Klima Light, Klima Air (variante EPS WHITE TR100), Klima Airplus/Klima Air Black (variante EPS BLACK TR100), Klima Airtech (variante EPS WHITE TR150), Klima EPS ETICS (variante EPS WHITE/BLACK TR100-150), Rinforzo V50, Kerakover Acrilex Fondo, Kerakover Kompact New, Kerakover Acrilex Finish*

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 2+**

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

European Technical Assessment: **ETA-24/0626 of 28/07/2024**

Technical Assessment Body: **TZUS (TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ 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	Euroclasse B – s1, d0
- Reaction to fire of thermal insulation material	NPA (See Annex n°3-8 for component characteristic)
Facade fire performance	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>Klima Flex</i>	0.28 Kg/m <sup>2</sup> 0.30 Kg/m <sup>2</sup> 0.33 Kg/m <sup>2</sup>
<i>Keraklima Eco</i>	0.17 Kg/m <sup>2</sup> 0.27 Kg/m <sup>2</sup> 0.40 Kg/m <sup>2</sup>
<i>Keraklima Eco granello</i>	0.12 Kg/m <sup>2</sup> 0.22 Kg/m <sup>2</sup> 0.38 Kg/m <sup>2</sup>
<i>Klima Fix grey/white</i>	0.46 Kg/m <sup>2</sup> 0.47 Kg/m <sup>2</sup> 0.29 Kg/m <sup>2</sup> 0.29 Kg/m <sup>2</sup> 0.43 Kg/m <sup>2</sup> 0.43 Kg/m <sup>2</sup>
<i>Klima Light</i>	0.36 Kg/m <sup>2</sup> 0.45 Kg/m <sup>2</sup> 0.43 Kg/m <sup>2</sup>
- of the thermal insulation product	NPA (See Annex n°3-8 for component characteristic)
Hygrothermal behaviour	satisfied
Freeze thaw performance	satisfied

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Cap. soc. € 2.000.000,00 i.v.



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Essential characteristics	Performance
Impact resistance on the rig	category II
Impact resistance not on the rig	category III
Water vapour permeability	
- of the rendering system	
<i>Klima Flex</i>	S <sub>D</sub> 0.6
<i>Keraklima Eco</i>	S <sub>D</sub> 0.6
<i>Keraklima Eco granello</i>	S <sub>D</sub> 0.5
<i>Klima Fix (Kerakover kompact new)</i>	S <sub>D</sub> 0.9
<i>Klima Fix (Kerakover Acrilex Finish)</i>	S <sub>D</sub> 0.8
<i>Klima Light (Kerakover kompact new)</i>	S <sub>D</sub> 1.0
<i>Klima Light (Kerakover Acrilex Finish)</i>	S <sub>D</sub> 0.8
- of the thermal insulation product	NPA (See Annex n°3-8 for component characteristic)

- Safety and accessibility in use (BWR 4)

Essential characteristics	Performance	
	Mean value (kPa)	Min. value (kPa)
Bond strength ( <i>Klima Flex</i> ) (dry conditions)		
- between base coat and insulation product	100	100
- between adhesive and concrete	1180	1098
- between adhesive and insulation product	100	100
Bond strength ( <i>Keraklima Eco</i> ) (dry conditions)		
- between base coat and insulation product	159	151
- between adhesive and concrete	1192	1164
- between adhesive and insulation product	159	151
Bond strength ( <i>Keraklima Eco Granello</i> ) (dry conditions)		
- between base coat and insulation product	140	140
- between adhesive and concrete	1530	1480
- between adhesive and insulation product	140	140
Bond strength ( <i>Klima Fix Grey</i> ) (dry conditions)		
- between base coat and insulation product	149	138
- between adhesive and concrete	616	446
- between adhesive and insulation product	130	120
Bond strength ( <i>Klima Fix White</i> ) (dry conditions)		
- between base coat and insulation product	136	129
- between adhesive and concrete	307	240
- between adhesive and insulation product	130	120

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Essential characteristics	Performance	
Bond strength ( <i>Klima Light</i> ) (dry conditions)		
- between base coat and insulation product	109	99
- between adhesive and concrete	870	810
- between adhesive and insulation product	110	90
Tensile test perpendicular to the face of the thermal insulation product	NPA (See Annex n°3-8 for component characteristic)	
Shear strength and shear modulus of elasticity test of ETICS	NPA (See Annex n°3-8 for component characteristic)	
Render strip tensile test	NPA	
Bond strength after ageing of finishing coat tested on the rig (mean v.)		
<i>Insulation TR 100</i> <b>Klima Flex</b> Key coat Kerakover Acrilex Fondo Finishing coat Kerakover Kompact New Fine-Medio	100 kPa	
<i>Insulation TR 100</i> <b>Keraklima eco</b> Key coat Kerakover Acrilex Fondo Finishing coat Kerakover Kompact New Fine-Medio	80 kPa	
<i>Insulation TR 100</i> <b>Keraklima eco granello</b> Key coat Kerakover Acrilex Fondo Finishing coat Kerakover Kompact New Fine-Medio	100 kPa	
<i>Insulation TR 100</i> <b>Klima Fix grey/white</b> Key coat Kerakover Acrilex Fondo Finishing coat Kerakover Kompact New Fine-Medio	97 kPa	
<i>Insulation TR 100</i> <b>Klima Fix grey/white</b> Key coat Kerakover Acrilex Fondo Finishing coat Kerakover Acrilex Finish	118 kPa	
<i>Insulation TR 100</i> <b>Klima Light</b> Key coat Kerakover Acrilex Fondo Finishing coat Kerakover Kompact New Fine-Medio	116 kPa	
<i>Insulation TR 100</i> <b>Klima Light</b> Key coat Kerakover Acrilex Fondo Finishing coat Kerakover Acrilex Finish	127 kPa	
Bond strength after ageing of finishing coat NOT tested on the rig (mean v.)		
<i>Insulation TR 100</i> <b>Klima Flex</b> Key coat Kerakover Acrilex Fondo Finishing coat Kerakover Kompact New Fine-Medio	122 kPa	
<i>Insulation TR 100</i> <b>Klima Flex</b> Key coat Kerakover Acrilex Fondo Finishing coat Kerakover Acrilex Finish	137 kPa	
<i>Insulation TR 100</i> <b>Keraklima Eco</b> Key coat Kerakover Acrilex Fondo Finishing coat Kerakover Kompact New Fine-Medio	136 kPa	
<i>Insulation TR 100</i> <b>Keraklima Eco</b> Key coat Kerakover Acrilex Fondo Finishing coat Kerakover Acrilex Finish	123 kPa	

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Essential characteristics	Performance
<i>Bond strenght after ageing of finishing coat NOT tested on the rig (mean v.)</i>	
<i>Insulation TR 100 <b>Keraklima Eco Granello</b> Key coat Kerakover Acrilex Fondo Finishing coat Kerakover Kompact New Fine-Medio</i>	141 kPa
<i>Insulation TR 100 <b>Keraklima Eco Granello</b> Key coat Kerakover Acrilex Fondo Finishing coat Kerakover Acrilex Finish</i>	138 kPa

- Protection against noise (BWR 5)

Essential characteristics	Performance
Airborne sound insulation of ETICS	NPA

- Energy economy and Heat retention (BWR 7)

Essential characteristics	Performance
Thermal resistance of the termal insulation product	NPA (See Annex n°3-8 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

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