

# Keralevel® Eco Floor

**Elastic, eco-friendly, organic mineral finishing product for the high-resistance and high-adhesion correction of irregular substrates, whether absorbent or non-absorbent, ideal for use in GreenBuilding. Two-component with reduced solvent content. Contains locally-sourced recycled raw materials.**

Keralevel® Eco Floor can be used to level and repair cracks in flooring, guaranteeing an ideal surface for subsequent application of resilient materials, hardwood floors and resin coatings.



**GREENBUILDING RATING®**

**Keralevel® Eco Floor**

- Category: Organic Mineral products
- Preparation of the substrates
- Rating: Eco 3

	✓ Natural mineral content 39,8%		✓ Reduced solvent content 4,8 g/kg		✓ Non-toxic and non-hazardous

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

**PRODUCT STRENGTHS**

- Ideal in Factory systems
- Internal, external
- Thicknesses from 1 to 5 mm
- Suitable for overlaying on stable, non-absorbent substrates
- Ideal in renovation work

**ECO NOTES**

- Formulated with locally-sourced minerals meaning lower greenhouse gas emission during transportation

**AREAS OF USE**

**Use**  
High-resistance adjustment and finishing of irregular and uneven substrates, whether absorbent or non-absorbent. Thicknesses from 1 to 5 mm.

**Compatible adhesives:**

- reactive, single-component and two-component

**Covering materials:**

- porcelain tiles, ceramic tiles, klinker and cotto of all types and formats
- natural stone, recomposed materials, marble
- hardwood flooring, rubber, PVC, linoleum, textiles
- epoxy and polyurethane resin coatings

**Substrates:**

- mineral screeds made with Keracem® Eco Pronto, Keracem® Eco Prontoplus and Keracem® Eco as a binder or pre-mixed
- cement-based screeds
- anhydrite screeds
- prefabricated concrete or fresh concrete castings
- timber, plywood, hardwood floors

Flooring for internal use in residential, commercial and industrial applications and on heat-radiant slabs.

**Do not use**  
On substrates that are not dry or subject to moisture rising.

\* ÉMISSION DANS L'AIR INTÉRIEUR Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

## INSTRUCTIONS FOR USE

### Preparation of substrates

Substrates must be free of dust, oil and grease, with no loose, flaky or imperfectly anchored parts such as residues of cement, lime, paint coatings and adhesives, which must be completely removed. The substrates must be stable, non-deformable and have already completed the curing period of hygrometric shrinkage.

The substrates must be permanently dry and free from moisture rising. In the event of subsequent laying of coatings in resin, PVC, rubber, linoleum, cement-based substrates must have a residual moisture at a maximum of 3% (2.5% in the case of heated substrate); anhydrite substrates must have a moisture at a maximum of 0.5% (0.2% in the case of heated substrate). In the event of subsequent laying of wooden floors, cement-based substrates must have a residual moisture at a maximum of 2% (1.7% in the case of heated substrate); anhydrite substrates must have moisture at a maximum of 0.5% (0.2% in the case of heated substrate). In the event of subsequent laying of resin coatings the substrates must have a surface tear strength > 1.5 MPa according to ASTM D 4541 and a compressive strength > 25 N/mm<sup>2</sup>.

**Absorbent substrates:** substrates consisting of smoothed concrete floors, cement-based screeds, anhydrite screeds, with dusty surface, flaky or weak parts or in general in the event of subsequent laying of resin coatings, must be treated with Sic<sup>®</sup> Eco EP 21 diluted with Keragrip Eco Pulep up to 30% depending on the degree of absorption of the substrate.

**Non-absorbent substrates:** substrates made of porcelain floors, ceramic, natural stone must be properly cleaned or surface abraded, in the event of subsequent laying of resin coatings.

### Preparation

Keralevel<sup>®</sup> Eco Floor is prepared by mixing together parts A and B from the bottom upwards, using a low-rev (400/min.) helicoidal agitator, respecting the preset ratio of the packs (Part A 9.25 kg : Part B 0.75 kg). Pour part B into the bucket containing part A, being careful to mix the two parts uniformly until a smooth, even coloured mixture is obtained. It is necessary to mix an amount of product that can be used within 30 minutes.

### Application

Apply Keralevel<sup>®</sup> Eco Floor with smooth spreader. In case of subsequent application of resin coatings, or applying a second coat of Keralevel<sup>®</sup> Eco Floor, sprinkle wet-on-wet Quartz 1.3 until saturated. Once hardened, remove any excess quartz.

In case of subsequent laying of resin coatings on cracked, uneven substrates, with chases on the floor containing water/heating systems, in case of substrates consisting of ceramic floors, porcelain tiles or natural stone, during the application of Keralevel<sup>®</sup> Eco Floor it is required enter Net 90 suitable reinforcing mesh in the layer of levelling coat and sprinkle wet-on-wet Quartz 1.3 until saturated. Once hardened, remove any excess quartz.

### Cleaning

Residual traces of Keralevel<sup>®</sup> Eco Floor can be removed from tools with alcohol before the product has hardened.

## SPECIAL NOTES

If the substrate contains joints that are subject to shrinkage or movement in general, they must be brought to the surface and treated with suitable elastic sealing agents.

Before the application of resin-based film, high-thickness or self-levelling coverings, sand the surfaces levelled with Keralevel<sup>®</sup> Eco Floor.

## ABSTRACT

*The high-resistance correction of substrate in thickness from 1 to 5 mm will be provided by using eco-friendly elastic organic mineral finishing product compliant with EN13813 class SR-B2,0-E1, GreenBuilding Rating<sup>®</sup> Eco 3, such as Keralevel<sup>®</sup> Eco Floor, by Kerakoll Spa. Apply with a smooth spreader on the previously prepared substrate, dimensionally stable and permanently dry. Coverage ≈ 1.5 kg/m<sup>2</sup> per mm of thickness created.*

## TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

<b>Appearance:</b>		
- Part A	beige paste	
- Part B	straw-coloured liquid	
<b>Specific weight:</b>		
- Part A	≈ 1.6 kg/dm <sup>3</sup>	
- Part B	≈ 1.05 kg/dm <sup>3</sup>	
Shelf life	≈ 12 months in the original packaging in dry environment	
Warning	protect from frost, avoid direct exposure to sunlight and sources of heat	
Pack	Part A 9.25 kg bucket - Part B 0.75 kg bottle	
Mixing ratio	Part A : Part B = 9.25 : 0.75	
Pot life	≈ 30 min.	
Temperature range for application	from +10 °C	
Viscosity	≈ 120,000 mPa · s, rotor 93 RPM 50	Brookfield method
Coverage	≈ 1.5 kg/m <sup>2</sup> per mm of thickness	
<i>Values taken at +20 °C, 65% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e. temperature, ventilation and absorbency level of the substrate.</i>		

## PERFORMANCE

### HIGH-TECH

Tensile adhesion to concrete after 28 days	≥ 2.5 MPa	EN 1323
Elastic modulus after 7 days	≥ 0.035 Kn/mm <sup>2</sup>	EN ISO 178
Elastic modulus after 28 days	≥ 0.037 Kn/mm <sup>2</sup>	EN ISO 178
Foot traffic / Overlaying +10 °C	16 hrs	
Foot traffic / Overlaying +15 °C	12 hrs	
Foot traffic / Overlaying +20 °C	6 hrs	
Ultimate elongation after 28 days	≥ 4.5%	ISO 527-2
Shore A hardness at +23 °C	70	
Conformity	SR-B2.0-E1	EN13813

*Values taken at +20 °C, 65% R.H. and no ventilation. Data may vary depending on specific conditions at the building site.*

## WARNING

- **Product for professional use**
- abide by any standards and national regulations
- apply the product at substrate temperatures from +10°C
- apply on permanently dry substrates
- protect from direct sunlight and currents of air for the first 6 hours
- do not apply on dirty or loose surfaces
- dispose of as indicated in applicable legislation
- the properties of products exposed to sharp changes in temperature (due to transport, storage, building site use, etc.) may be altered (e.g. crystallisation, partial hardening, fluidization, accelerated or delayed catalysis). In most cases, when products are restored to optimal conditions, the original properties will also be restored
- protect any surfaces and objects in the application area from accidental contact with the product
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service - [info@kerakoll.ae](mailto:info@kerakoll.ae)

The Eco and Bio classifications refer to the GreenBuilding Rating® Manual 2012. This information was last updated in January 2019 (ref. GBR Data Report - 12.18); please note that additions and/or amendments to this information may be made over time by KERAKOLL Spa; for the latest version, see [www.kerakoll.com](http://www.kerakoll.com). KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions in your building yards and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.