

Keralevel Eco

Certified, non-sag, normal-setting mineral levelling product for the high-performance correction and extended workability of irregular substrates.

Keralevel Eco develops extended workability times, thereby guaranteeing the correction of large surfaces even in extreme climatic conditions with a smooth finish that is ideal for the subsequent fixing of coverings using adhesives.



Rating 2

1. Indoor and outdoor use
2. Suitable for fixing ceramic and vitrified tiles, natural stone, hardwood floors and resilient materials using adhesives

- × Regional Mineral $\geq 60\%$
- × Recycled Regional Mineral $\geq 30\%$
- × CO₂ Emission ≤ 250 g/kg
- ✓ VOC Low Emission
- ✓ Recyclable

Areas of application

→ Intended use

Levelling of irregular surfaces with normal setting and compensated shrinkage. Thicknesses up to 10 mm.

Compatible adhesives:

- gel adhesives, mineral adhesives, single- and two-component organic mineral adhesives
- reactive-epoxy and polyurethane, single and two-component cement-based adhesives, dispersed in water or solvent solutions

Covering materials:

- vitrified tiles, ceramic tiles of all types and formats
- natural stone, recomposed materials, marble
- hardwood floors, textiles, rubber, PVC, linoleum
- varnishes and paints

Surfaces:

- cement plasters and cement-lime mortar
- walls in concrete blocks or cellular concrete
- mineral screeds made with Biocem as a binder
- cement-based screeds
- residual traces of cement-based adhesives
- concrete
- reinforced concrete

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

Do not use on gypsum-based plasters and anhydrite screeds without applying Active Prime Fix water-based, eco-friendly, surface insulation, following the instructions provided; on highly flexible surfaces and substrates subject to high thermal expansion, and on plasterboard; on wet surfaces or substrates subject to continuous moisture rising.

Instructions for use

→ Preparation of substrates

In general, substrates must be free of dust, oil and grease, free from any moisture rising, with no loose, flaky or imperfectly anchored parts such as residues of cement, lime, paint coatings and adhesives, which must be completely removed. The substrate must be stable, non-deformable, without cracks and have already completed the curing period of hygrometric shrinkage.

- Low-absorption substrates: smooth substrates with very low absorbency level or which are completely non-absorbent, such as ceramic tiles, marble floor tiles, epoxy and wall paints, residual traces of oxidised adhesives and smoothed concrete coatings which are compact and properly anchored, must be prepared by means of mechanical abrasion or by application of Active Prime Fix or Active Prime Grip water-based, eco-friendly adhesion promoters, following the instructions for use and after having carried out thorough cleaning of the surface. Any substances used for surface treatment, such as wax or parting compounds, must be removed mechanically or using specific chemical products.
- High-absorbency substrates: on screeds and plasters which are compact but very absorbent, first Active Prime Fix, eco-friendly, water-based surface isolation, following the instructions provided, in order to reduce and regulate the level of absorption. Respect the indicated waiting time before carrying out correction of the surface with a levelling product.

→ Preparation

Prepare Keralevel Eco in a clean container by pouring in $\approx \frac{3}{4}$ of the water required. Gradually add Keralevel Eco to the water, mixing the paste with a low-rev ($\approx 400/\text{min.}$) helicoidal agitator. Add water until a homogeneous, lump-free mortar is obtained. The amount of water indicated on the packaging is indicative.

→ Application

Apply a first layer of the product to the suitably prepared and damped substrate using a smooth trowel. Press down hard to ensure adhesion and to force the air out of the pores, after that, the thickness can be adjusted as required. If an additional correction layer is required, it must be applied as soon as the previous layer has hardened (≈ 24 hrs at $+23^{\circ}\text{C}$, 50% R.H.), after applying Active Prime Fix, following the instructions provided, being always careful to apply adequate pressure to ensure maximum adhesion. The appearance of the surface finish may vary depending on whether a smooth steel trowel or a sponge has been used for application. For subsequent fixing of ceramic tiles it is always advisable to obtain a roughened, porous surface.

→ Cleaning

Residual traces of Keralevel Eco can be removed from tools using water before the product hardens.

Special notes

- Joints: all the joints located in the substrate must be respected.
- Deformable substrates: if substrates are liable to movement, apply the Kerakoll eco-friendly adhesion promoter suitable for the type of substrate, following the instructions for use.
- Gypsum-base plasters: must be dry and prepared with the Active Prime Fix eco-friendly, water-based surface insulation, following the instructions for use.
- Anhydrite screeds: must be dry and sanded as specified in the manufacturer's instructions, then prepared with water-based, eco-friendly surface isolation Active Prime Fix, following the instructions for use.

Certificates and marks



* 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).

Abstract

Certified, high-performance levelling of substrates from 1 to 10 mm thickness must be carried out using a non-sag mineral levelling product, with normal setting and prolonged workability, such as Keralevel Eco by Kerakoll Spa, compliant with EN 13813 class CT - C25 - F6, GreenBuilding Rating 2, suitable for subsequent fixing of tiles after ≈ 24 hrs and for laying of natural stone, parquet and resilient materials ≈ 3 - 5 days after application, at +20 °C 65% R.H. Apply the product using a smooth trowel on the previously prepared, clean and dimensionally stable substrate and finish with a rigid float. Average coverage: ≈ 1.5 kg/m² per mm of thickness created.

Technical Data compliant with Kerakoll Quality Standard		
Appearance	pre-mixed	
Specific weight	≈ 1.45 kg/dm ³	UEAtc/CSTB 2435
Mineralogical nature of inert material	crystalline carbonate	
Grading	≈ 0 – 600 µm	UNI 10111
Shelf life	≈ 12 months from production in the original sealed packaging, protect from humidity	
Pack	25 kg bags	
Mixing water	≈ 6.5 l / 1 x 25 kg bag	
Specific weight of the mixture	≈ 1,86 kg/dm ³	UNI 7121
Pot life	≥ 4 hrs	
Temperature range for application	from +5 °C to +35 °C	
Maximum thickness	from 1 to 10 mm	
Foot traffic	≈ 24 hrs	
Waiting time before fixing:		
- ceramic tiles, terracotta	≈ 24 hrs	
- hardwood floors, resilient materials and natural stone	≈ 3 days	
Coverage	≈ 1.5 kg/m ² per mm of thickness	

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.

Performance

VOC Indoor Air Quality (IAQ) - Volatile organic compound emissions

Conformity	EC 1 plus GEV-Emicode	GEV certified 2954/11.01.02
HIGH-TECH		
Adhesion to concrete after 28 days	≥ 1 N/mm ²	EN 13892-8
Resistance to:		
- compressive strength after 28 days	≥ 25 N/mm ²	EN 13892-2
- flexural after 28 days	≥ 6 N/mm ²	EN 13892-2
- abrasion after 28 days	≤ 250 mm ³	EN 12808-2
Surface hardness after 28 days	≥ 40 N/mm ²	EN 13892-6
Conformity	CT – C25 – F6	EN 13813

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
 - do not use Keralevel Eco for levelling purposes or for the correction of substrate irregularities greater than 10 mm
 - do not add other binders or additives to the mixture
 - low temperatures and high relative humidity lengthen drying times
 - an excessive quantity of water will reduce strength and the drying time
- before fixing hardwood floors and resilient materials, check residual moisture with a calcium carbide hygrometer
 - protect from direct sunlight and currents of air for the first 12 hrs
 - respect the elastic joints present in the substrate
 - if necessary, ask for the safety data sheet
 - for any other issues, contact Kerakoll Customer Care +91-22-2839 5593 / 1800 102 4957 - info@kerakollindia.com

The Rating classifications refer to the GreenBuilding Rating Manual 2012. This information was last updated in December 2023 (ref. GBR Data Report – 12.23); please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see 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 site 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.