

Keragrip Eco

Certified, eco-friendly, water-based adhesion promoter for compact, absorbent and non-absorbent substrates, ideal for use in GreenBuilding. Single-component, solvent-free and with very low volatile organic compound emissions. Safeguards the health of both operators and the environment.

Keragrip Eco develops extended overlay times, making it safe and easy to apply high-adhesion mineral levelling and self-levelling products, even when overlaying.



GREENBUILDING RATING®

Keragrip Eco
 - Category: Liquid organic products
 - Class: Liquid Organic Preparation Products
 - Rating: Eco 5

	Very low VOC emissions	Water-based formulation	Solvent-free	No environmental hazard rating	Non-toxic and non-hazardous

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

- For internal use
- Approved for marine use
- Ready-to-use
- Easy-to-identify red liquid
- Suitable even at low temperatures
- Easy to use for fast, safe, applications even with a roller
- Ideal in renovation work
- Suitable for substrates treated with resins

ECO NOTES

- Water-based, limits the risk of loads that could be harmful and dangerous to the environment during storage and transportation
- Improved on-site safety guaranteed

AREAS OF USE

Use
 Preparation of smooth, compact, absorbent or non-absorbent substrates before application of finishing, levelling or self-levelling products and fluid mortars to improve their power of adhesion.

Products suitable for overlaying:

- fluid, mineral mortars and fluid mortars
- Mineral adhesives and cement-based adhesives
- mineral finishing, levelling and self-levelling products with normal, rapid and extra-rapid setting

Substrates:

- flooring in ceramic, marble-floor tiles and natural stone
- flooring in concrete smoothed with circular grinding machinery
- compact and smooth cement-based screeds
- prefabricated concrete and fresh concrete castings
- wooden panellings
- hardwood floors
- Substrates in metal on rigid supporting surfaces
- flooring with residual traces of resin-base adhesives
- flooring in epoxy resin
- varnishes
- rigid PVC coatings

Field of application Directive CE MED
 Adhesion promoter primer for cementitious substrates.
 Mass per area $140 \pm 5\%$ (g/m²)
 As primary decks coverings. The product may be applied to any metallic support having a thickness $\geq 2,25$ mm.

Do not use
 On highly flexible substrates or substrates which may present a risk of strong dimensional movement; on substrates which are moistened or subjected to moisture rising, for overlaying of mortars and plasters with semi-dry consistency and high granulometric grading.

INSTRUCTIONS FOR USE

Preparation of substrates

Substrates must comply with BS 5385, parts 1-5, be stable and non-deformable, without cracks and have already completed the curing period for hygrometric shrinkage; must be free from dust, oil and grease, free from any rising damp, with no loose, flaky material. Surface treatments of certain materials such as waxes for resilient materials, marble floor tiles, hardwood floors, concrete parting compounds and sheet-metal oils must be completely removed. Varnishes, wall paints and adhesives that are not perfectly anchored must be removed mechanically. Absorbent substrates must be compact.

Instruction for use

On non-absorbent substrates: shake the can well before opening. Keragrip Eco is immediately ready for use. Pour Keragrip Eco from the can onto the substrate to be covered. Apply a fine, uniform film, preferably using a sponge or synthetic fibre roller and working in the same direction. Apply a second coat criss-crossing the direction of the first. The colouring allows the user to check whether the application is complete and uniform. Avoid any build-up of product.

On absorbent, compact substrates: it is advisable to dilute Keragrip Eco with clean water, in a ratio between 1 : 0.5 and 1 : 1, depending on the degree of absorbency of the substrate. Mix briefly before use. Keragrip Eco is applied using a roller or brush. Proceed as for non-absorbent substrates. Before overlaying, wait at least one hour and make sure the film of Keragrip Eco has hardened and is "touch dry", presenting only a minor degree of stickiness to the touch.

Once hardened, Keragrip Eco will withstand light foot traffic. Any traces of dirt must be removed using a suitable vacuum cleaner.

Tools

Synthetic or sponge rollers or brushes. Wash tools with water before the product hardens.

SPECIAL NOTES

The maximum period allowed for overlaying is 24 hours. Once this period has elapsed, a new, complete application of Keragrip Eco will have to be carried out directly over the existing application.

Direct bonding with cement-based adhesives must be carried out by applying a fine levelling layer of adhesive with the smooth part of the notched trowel, so as to ensure total contact with the adhesion promoter.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	Red liquid
Specific weight	≈ 1,01 kg/dm ³
Shelf life	≈ 12 months in the original packaging
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat
Pack	5 kg cans
Dilution ratio on absorbent substrates	1 part Keragrip Eco : 0,5 – 1 parts water
Viscosity	≈ 1400 mPa · s, rotor 5 RPM 50 Brookfield method
pH	≈ 7,2
Temperature range for application	from +5 °C to +35 °C
Waiting time before laying	from 1 to 24 hrs
Coverage	≈ 0,1 – 0,2 kg/m ²

Values taken at +23 °C, 50% 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 1231/11.01.02

HIGH-TECH

Adhesion to concrete after 7 days $\geq 2,5 \text{ N/mm}^2$

Tensile strength on glazed tiles

- after 24 hrs $\geq 1,5 \text{ N/mm}^2$

- after 7 days $\geq 2 \text{ N/mm}^2$

Shear strength on glazed tiles

- after 24 hrs $\geq 1 \text{ N/mm}^2$

- after 7 days $\geq 1,5 \text{ N/mm}^2$

Values taken at +23 °C, 50% 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
- Make sure the substrate is perfectly clean, dry and compact
- respect the indicated uses
- Do not add binders, inert materials or additives
- If the product has been washed away or removed mechanically, it will have to be replaced by a further application
- do not use as a promoter for plasters, mortars and screeds with semi-dry consistency or high granulometric grading
- do not apply on substrates which present a high degree of deformability or thermal expansion
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service 01527 578000 - info@kerakoll.co.uk

The Eco and Bio classifications refer to the GreenBuilding Rating® Manual 2012. This information was last updated in July 2016 (ref. GBR Data Report - 08.16); 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 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.