



Keragrip Eco

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.



Product Strengths

- For internal 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



GreenBuilding Rating

	✓	✓	✓	✓	✓
	Very low VOC emissions 50 µg/m³	Water-based formulation	Solvent-free	No environmental hazard rating	Non-toxic and non-hazardous

Keragrip Eco

- Category: Liquid Organic Products
- Class: Liquid Organic Preparation Products
- Rating: Eco 5

Areas of use

Use

Preparation of levelled, compact, absorbent or non-absorbent substrates before the application of floor finishes, levelling or self-levelling products, fluid mortars and adhesives to improve their power of adhesion.

Suitable for:

- existing ceramic or natural stone coatings,
- concrete flooring,
- compact and smooth cement-based screeds,
- stable wooden panellings and hardwood floors,
- substrates in metal on rigid supporting surfaces,
- residual traces of resin-based adhesives, epoxy resin substrates,
- varnishes,
- rigid PVC coatings.

Do not use

Do not use on high deformability substrates, on substrates which are damp or subject to moisture rising, for overlaying of mortar 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	cans 5 kg
Dilution ratio on absorbent substrates	1 part Keragrip Eco : 0,5 – 1 parts water
Viscosity	≈ 20360 mPa · s, rotore 2 RPM 1 Brookfield method
pH	≈ 7,83
Temperature range for application	from +5 °C to +35 °C
Minimum waiting time before laying	≥ 1 hr
Maximum waiting time before laying	≤ 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 High-Tech

Adhesion to concrete after 7 days	≥ 2,5 N/mm ²
Tensile strength on glazed tiles	
- after 24 hrs	≥ 1,5 N/mm ²
- after 7 days	≥ 2 N/mm ²
Shear strength on glazed tiles	
- after 24 hrs	≥ 1 N/mm ²
- after 7 days	≥ 1,5 N/mm ²
Conformity	EC 1 GEV-EMICODE Cert. GEV 1231/11.01.02

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**

- 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 apply on substrates which present a high degree of deformability
- The technical instructions required for the above mentioned products are available on the website www.kerakoll.com
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service - globalservice@kerakoll.com

This information was last updated in October 2010; 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.