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. To be used in conjunction with Kerakoll waterproofing for non absorbent substrates.

GREENBUILDING RATING®

Keragrip Eco
- Category: Liquid organic products
- Preparation of the substrates
- Rating: Eco 5

eco5®	Low Emission IAQ VOC Indoor Air Quality	Water Based	SLV REDUCED Solvent ≤ 15 g/kg	Low Ecological Impact	Health Care
	✓	✓	✓	✓	✓
	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

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

PRODUCT STRENGTHS

- For internal use / external when covered with Aquastop Nanoflex or other approved Kerakoll materials
- 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

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
- waterproofing materials such as Aquastop Nanoflex and Nanodefense Eco

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
- Wood effect tiles
- 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 ± 5% (g/m²)
As primary decks coverings. The product may be applied to any metallic support having a thckness ≥ 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.

* 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).

Keragrip Eco Code: F104 2017/06 - EN

KERAKOLL
The GreenBuilding Company

INSTRUCTIONS FOR USE

Preparation of substrates
In general, substrates must be free from dust, oil and grease, free from moisture rising, with no loose, flaky or imperfectly anchored parts such as residues of cement, lime, varnishes and adhesives, which must be completely removed. In particular, surface treatments of certain types of material such as waxes for resilient materials, marble floor tiles, hardwood floors, concrete parting compounds and sheet-metal oils must be completely removed. Varnishes, paints and adhesives must be removed by mechanical means in those cases where they can be removed easily, leaving only the parts which are well anchored to the substrate. The substrate must be stable, non-deformable, without cracks and have already completed the curing period of hygrometric shrinkage. Absorbent substrates must be compact and smooth to allow Keragrip Eco to form a fine film during application. The substrate must be perfectly dry, following the appropriate curing phase, but also free from any traces of humidity which may be present due to accidental subsequent moistening. If in doubt, measure the degree of residual humidity with a calcium carbide hygrometer.

Preparation
Non-absorbent substrates: shake the can before use in order to obtain the best possible viscosity during application. Keragrip Eco is immediately ready for use.
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 absorbency level of the substrate. Prepare in an open container the quantity of water required for dilution, then add Keragrip Eco according to the indicated ratio. Mix briefly before use.

Application
Non-absorbent substrates: pour Keragrip Eco directly from the can onto the substrate to be covered. Apply a fine, uniform film, preferably using a roller made of fine/medium-grain sponge or short, synthetic fibre and always spread the product in the same direction. Subsequently, repeat the operation on the same surface, with a pass perpendicular to the first. Proceed in this manner until the substrate has been covered completely. The distinct colouring of Keragrip Eco allows the user to check whether the application is complete and uniform.
Absorbent, compact substrates: once diluted into an open container, Keragrip Eco can be applied by dipping a roller or brush directly into the container. This method will avoid the problem of partial absorption caused by having poured Keragrip Eco directly onto an absorbent surface before beginning to spread the product. Apply the product as in the case of non-absorbent substrates.
Before overlaying, wait at least one hour (at +23 °C, 50% R.H.) and make sure the film of Keragrip Eco has hardened and is 'touch dry', presenting only a minor degree of stickiness to the touch.

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

SPECIAL NOTES

Once hardened, Keragrip Eco will withstand light foot traffic. Any slight traces of dirt and dust must be removed, using a dry method. The use of water during this phase might cause a pull-up effect in the resin, which would compromise final adhesive strength.
If the film of Keragrip Eco is damaged, a further application of the product will have to be carried out.
The maximum period allowed for overlaying is 24 hours (at +23 °C, 50% R.H.). 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 applying a fine levelling layer of adhesive with the smooth part of the spreader, so as to ensure total contact with the adhesion promoter and to protect it against any possible scratching which would be caused by the toothed side of the spreader.

ABSTRACT

Certified preparation of smooth, compact, absorbent and non-absorbent substrates with eco-friendly, single-component, water-based adhesion promoter, with GreenBuilding Rating® Eco 5, such as Keragrip Eco by Kerakoll Spa, before laying finishing, levelling and self-levelling products and fluid mortars. Apply with a roller made of fine/medium-grain sponge or short, synthetic fibre. Average coverage must be ≈ 0.1 – 0.2 kg/m². The substrate must be perfectly clean, dry and free from moisture rising.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	red liquid	
Specific weight	≈ 1.01 kg/dm³	
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/m²	

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	≥ 2.5 N/mm²	
Tensile strength on glazed tiles		
- after 24 hrs	≥ 1.5 N/mm²	
- after 7 days	≥ 2 N/mm²	
Shear strength on glazed tiles		
- after 24 hrs	≥ 1 N/mm²	
- after 7 days	≥ 1.5 N/mm²	

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
- do not apply on roughened substrates or substrates which require heavy thicknesses of product
- make sure the substrate is perfectly clean, dry and compact
- respect the indicated uses
- check substrate adhesion before overlaying
- 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 +39 0536 811 516 - globalservice@kerakoll.com

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