

Keragrip

Adhesion promoter for compact and non-absorbent substrates.

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



1. Easy to use for fast, safe, applications even with a roller
2. Ready-to-use
3. Suitable even at low temperatures
4. Certified for marine use
5. Ideal in renovation work
6. Easy-to-identify red liquid
7. Suitable for substrates treated with resins

kerakoll

Areas of application

→ Intended use:

Indoor preparation of smooth, compact, absorbent or non-absorbent surfaces 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
- prefabricated concrete and fresh concrete castings
- wooden panellings

- substrates in metal on rigid supporting surfaces
- flooring with residual traces of resin-base adhesives
- flooring in epoxy resin
- 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 ≥ 2.25 mm.

Do not use outdoors, on high flexible substrates and which may present a risk of strong dimensional movement; on substrates which are moistened or subject to moisture rising, for overlaying of mortars and plasters/renders with semi-dry consistency and high grain size.

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, concrete parting compounds and sheet-metal oils must be completely removed. The 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 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 is immediately ready for use.

Absorbent, compact substrates: it is advisable to dilute Keragrip 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 according to the indicated ratio. Mix briefly before use.

→ Application

Non-absorbent substrates: pour Keragrip 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 allows the user to check whether the application is complete and uniform.

Absorbent, compact substrates: once diluted into an open container, Keragrip 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 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 has hardened and is 'touch dry', presenting only a minor degree of stickiness to the touch.

→ Cleaning

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

Special notes

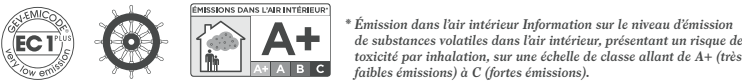
- Once hardened, Keragrip will withstand foot traffic. Any slight traces of dirt and dust must be removed, using a dry method. The use of water during this phase might cause a pull-up effect in the resin, which would compromise final adhesive strength.

→ If the film of Keragrip 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 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.

Certificates and marks



Abstract

Certified preparation of smooth, compact, absorbent and non-absorbent substrates with single-component, water-based adhesion promoter, such as Keragrip 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 $\approx 0.1 - 0.2 \text{ kg/m}^2$. The substrate must be perfectly clean, dry and free from moisture rising.

Technical Data compliant with Kerakoll Quality Standard		
Appearance	red liquid	
Specific weight	$\approx 1.01 \text{ kg/dm}^3$	
Shelf life	≈ 12 months from production in the original sealed 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 : 0.5 – 1 parts water	
Viscosity	$\approx 1400 \text{ mPa} \cdot \text{s}$, 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	$\approx 0.1 - 0.2 \text{ kg/m}^2$	

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 absorbcency 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	≥ 20 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

- 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, pigments 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 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 Kerakoll Technical Customer Service:
+ 39 0536.811.516
www.kerakoll.com/contatti



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