

Grinkol

Certified, eco-friendly, organic mineral adhesive to lay vinyl floors and carpet on absorbent substrates, ideal for use in GreenBuilding. Single-component, water-based, solvent-free and with very low volatile organic compound emissions, safeguards the health of both operators and the environment.

Grinkol develops an extended open time and high tack for the safe laying of PVC floors and walls on absorbent substrates and of carpet even on non-absorbent substrates.



GREENBUILDING RATING®

Natural mineral content 46%	Very low VOC emissions	Solvent-free	No environmental hazard rating	Non-toxic and non-hazardous

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

- Flooring and walls, for internal use
- Long open time
- High initial setting
- Suitable for heated substrates
- Suitable to fix self-laying carpet tiles with absorbent backing

AREAS OF USE

Use
Laying of vinyl floors and coverings and wall tiles on absorbent and non-absorbent substrates.

Materials:

- PVC floors and coverings (cloth and tiles)
- cushion-floors
- polyolefin
- carpeting with natural or synthetic jute backing, or rubber or polyurethane-foam backing

Substrates:

- levelling and self-levelling mineral products
- cement-based screeds
- cement plasters
- anhydrite screeds
- cast asphalt
- wood panels
- marble and derivative products
- non-absorbent surfaces of mineral origin

Walls and floors. Interiors in residential and commercial buildings. Suitable for heated substrates. Suitable for floors subject to concentrated loads, castors and wheels (EN 12529)

Field of application Directive CE MED
Dispersed resin-based adhesive for bonding of resilient materials.
Mass per area (g/m²) 717 ± 5%
Thickness (mm) 3 ± 5%
As decks finishing materials. The product may be applied to any non-combustible support, any metallic support or any material having low flame spread characteristics.

Do not use
External applications: on substrates subject to rising damp; in environments which are permanently damp or likely to get wet and in constant and continuous contact with water; to lay over existing PVC, linoleum, rubber flooring etc...

* 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).

INSTRUCTIONS FOR USE

Preparation of substrates

Substrates must be compact, solid, level, smooth. They must also be dimensionally stable, non-deformable, dry, clean and free of any rising moisture, cracks, dust and detaching substances.

Cement-based substrates must have residual moisture at a maximum of 2.5% or 2%, in case of under floor heating.

Anhydrite substrates must have residual moisture of a maximum of 0.5% or 0.2% in case of under floor heating.

Cement-based screeds with dusty surface, flaky or weak parts must be treated with Primer A Eco. Always treat heated subfloors with Primer A Eco.

Uneven or excessively rough substrates must be adjusted and/or corrected with suitable products such as Keralevel® Eco Ultra, Keratech® Eco, Keratech® Eco Plus, or Keralevel® Eco.

Anhydrite substrates must be prepared according to the manufacturer's instructions and treated with Primer A Eco.

Cast asphalt substrates must always be treated with Primer A Eco and must be finished with suitable products such as Keralevel® Eco Ultra, Keratech® Eco, Keratech® Eco Plus, or Keralevel® Eco.

Preparation

The product is ready-to-use. Mix before use.

Application on absorbent substrates

Apply Grinkol on the substrate with a medium-short-bristle roller or a suitable toothed spreader (no. 1 or no. 3) depending on the type of the covering to be laid taking care that any residual dust is well incorporated.

Apply the adhesive to surfaces onto which, after a suitable evaporation time, the coating can be laid on the still fresh and sticky adhesive.

Thoroughly massage the covering in order to avoid the formation of air bubbles and ensure complete contact with the adhesive.

Massage or roll the covering again a few minutes apart.

Application on non-absorbent substrates

Given the high residual tack of the Grinkol film, the adhesive can be used on non-absorbent mineral substrates (marble, granite, grit floors) for laying of carpet with absorbent backing.

Apply Grinkol on the substrate with a suitable toothed spreader (no. 1 or no. 3) depending on the type of the covering to be laid. Wait for the water to evaporate and lay the covering on the sticky but almost dry adhesive layer.

Thoroughly massage the covering in order to avoid the formation of air bubbles and ensure complete contact with the adhesive.

Massage or roll the covering again a few minutes apart.

Special applications

It is possible to use Grinkol to fix self-laying carpet tiles with absorbent backing.

In this case, dilute Grinkol at 5 - 10% using water and apply it on the substrate with a medium-short-bristle roller or with a toothed spreader (no. 1 or no. 3) depending on the type of substrate in order to obtain a layer of adhesive suitable to ensure complete contact with the covering.

Wait for the water to evaporate and lay the covering on the sticky but dry adhesive layer.

Thoroughly massage or roll the covering in order to avoid the formation of air bubbles and ensure complete contact with the adhesive.

Cleaning

Clean tools with water immediately. After Grinkol has hardened it can only be removed mechanically.

SPECIAL NOTES

Do not use at temperatures below +10 °C or in air humidity of more than 75%.

At low temperatures, the adhesive and covering must be allowed to adjust to the local conditions first.

In addition to the above information, installation instructions provided by the manufacturer of the floor coverings used must also be followed, along with the technical sheets applicable to other products mentioned.

ABSTRACT

The certified laying of stable floors and coverings in PVC, cushion-floors, carpeting, polyolefin must be carried out using single-component, eco-friendly organic mineral adhesive, GreenBuilding Rating® 5, such as Grinkol by Kerakoll Spa. The substrate must be permanently dry, even, smooth, compact, free from any loose debris, clean and cured, and the shrinkage stage already completed. For laying, a ____ toothed spreader must be used for an average coverage of ~ ____ g/m².

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	beige paste
Pack	buckets 18 kg / 5 kg
Shelf life	≈ 12 months in the original packaging
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat
Application	notched trote
Temperature range for application	from +10 °C to +30 °C
Evaporation time	≈ 10 – 15 min. on absorbent substrates ≈ 35 – 45 min. on non-absorbent substrates
Open time	≈ 90 min. depending on the amount applied and evaporation time
Foot traffic	immediate (softly)
Interval before normal use	≈ 24 – 48 hrs
Coverage:	
- using a roller	≈ 200 – 300 g/m ²
- using a spreader	≈ 300 – 400 g/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 2467/11.01.02
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WARNING

- **Product for professional use**
- abide by any standards and national regulations
- follow all applicable safety regulations and guidelines when using the product
- 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

The Rating classifications refer to the GreenBuilding Rating® Manual 2013. This information was last updated in November 2019 (ref. GBR Data Report - 12.19); 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.



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