

45/3

Certified, eco-friendly, organic mineral adhesive to lay PVC and PVC-backed materials 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.

45/3 forms a strongly anchored film for the safe laying of all types of PVC, cushion flooring, carpeting, any PVC backed materials and to lay rubber (up to 2 mm in thickness) on absorbent substrates.



GREENBUILDING RATING®

Natural mineral content 43%	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
- Easy to spread
- Suitable for heated substrates
- Ideal for floors which have to bear concentrated loads and withstand the strain of furniture fitted with castors
- Ideal for sheets and carpet tiles
- Approved for marine use

AREAS OF USE

Use
Laying of vinyl floors and coverings on absorbent substrates.

Materials:

- heavy vinyl floors and coverings (cloth and tiles)
- cushion-floors
- carpet and PVC-backed materials
- rubber in domestic applications

Substrates:

- levelling and self-levelling mineral products
- cement-based screeds
- cement plasters
- anhydrite screeds
- cast asphalt
- wood panels

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
Environmentally compatible organic mineral adhesive in water dispersion.
Mass per area 255 ± 35 (g/m²)
Thickness (mm) 1.2 ± 10%
As finishing material for all exposed interior and concealed or inaccessible surfaces. The product may be applied to any non-combustible support having a thickness equal to or greater than 10 mm and a density of ≥ 656 kg/m³.

Do not use
External applications: on non-absorbent substrates, 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.

* 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 and absorbent. 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

Apply 45/3 evenly over the substrate using a roller or a suitable notched trowel (spreader no. 1 or no. 3) and make sure that any dust residues are completely mixed in with the adhesive. Apply the adhesive to the substrate; leave to evaporate properly then lay coverings on wet or sticky adhesive. Massage the covering carefully to make sure it makes full contact with the adhesive. When working with coverings that are not very ductile, massage them again once the adhesive has reached a satisfactory level of initial setting.

Cleaning

Clean tools with water immediately. After 45/3 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 floors and coverings in PVC, cushion-floors, carpet and PVC-backed materials, rubber for domestic use, must be carried out using single-component, eco-friendly organic mineral adhesive, GreenBuilding Rating® 5, such as 45/3 by Kerakoll Spa. The substrate must be permanently dry, even, smooth and absorbent, 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	18 kg buckets
Shelf life	≈ 12 months in the original packaging
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat
Temperature range for application	from +10 °C to +30 °C
Evaporation time	≈ 10 min. or nothing on absorbent substrates
Open time	≈ 30 min. depending on the amount applied and evaporation time
Foot traffic	immediate (softly)
Interval before normal use	≈ 24 – 48 hrs
Coverage	≈ 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-Emitcode

GEV Certified 2960/11.01.02

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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