

Biotex

Recycled and thermo-bonded polyester, reinforced anti-fracture membrane, specifically designed to absorb shear stresses between substrates and bonded coatings; suitable as reinforcement for the laying of ceramic tiles of all kinds, large formats, porcelain tiles and natural stone.

Biotex increases safety when laying large format tiles with gel adhesives on critical and diverse substrates, increasing the strength of the bonded system and reducing the time required for interventions in renovation work.



PRODUCT STRENGTHS

- Specific for the desolidarizing laying of large formats with Biogel® gel adhesives
- Increases shear strength between substrates and coatings
- Increases safety when laying large formats on critical and old substrates
- Avoids excessive thicknesses of adhesive in a single coat of laying when levelling any uneven surface
- High levels of durability over time in basic environments
- Only 0.65 mm thickness, ideal in renovation work



ECO NOTES

- Post-consumer, PET bottle recycled polyester, the final colour of the membrane can vary depending on the recycled raw materials without altering the performance
- Does not contain substances of very high concern (SVHC) according to REACH regulation

AREAS OF USE

Use

For internal and external applications, to desolidarise and separate prior to laying of ceramic tile, large formats and natural stone coatings for domestic, commercial, industrial uses.

Substrates:

- screeds, heat-radiant slab and concrete;
- existing ceramic tile, marble floor tiles, natural stone, wood, metal, rubber, PVC, linoleum and fibreglass floorings anchored to the substrate;
- dry-lay flooring on panels anchored to the substrate

Do not use

On anhydrite-based substrates without the use of Primer A Eco professional, concentrated, water-based surface insulation, on bituminous sheeting, on exposed surfaces.

* 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

Irregular substrates must be levelled before laying the Biotex reinforced anti-cracking sheet, for example using a self-levelling product such as Keratech® Eco HP4 or a thixotropic levelling product such as Keralevel® Eco LR.

Absorbent substrates must first be treated with Primer A Eco, while non-absorbent substrates must be treated with Keragrip Eco.

Preparation

Anti-cracking for ceramic, porcelain tiles and natural stone:

Apply an adhesive from the Biogel® range to the prepared substrate, using a 4 – 6 mm notched trowel. Then apply Biotex on the still fresh adhesive, spreading it out without any creases while pressing it. When more than one sheet has to be laid, always allow for an overlap of 5 cm. The elastic joints in the building structure must also be repeated in the surface coating. Perimeter and fractionising joints must be incorporated for surface coatings. Lay the surface coating, making sure the back of the tiles is fully dampened using an adhesive from the Biogel® Eco range, with a toothed spreader suited to the size. It is not necessary to apply a coat of primer before laying.

Anti-cracking for hardwood floors (with tongue and groove):

The substrate must correspond to the requirements of DIN 18356, laying of hardwood floors. For bonding the anti-cracking sheet, hardwood floor adhesives L34 Hybrid, L34 Evolution, L34 Evolution Rapid, L34 Classic, L34 Plus or L34 Flex must be used. Before final gluing of hardwood floors allow a drying time of at least 24 hrs.

Tools

Sharp knife, scissors.

ABSTRACT

Supply and laying of recycled and thermo-bonded polyester, reinforced anti-fracture membrane, specifically designed to absorb shear stresses between substrates and bonded coatings; suitable as reinforcement for the laying of ceramic tiles of all kinds, large formats, porcelain tiles, natural stone such as Biotex by Kerakoll SpA. Apply Biogel® adhesive gel by Kerakoll SpA, using a suitable toothed spreader. Lay the membrane on the layer of fresh gel adhesive and press it down using a smooth spreader.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

| | | |
|-------------------------|---|------------|
| Appearance | polymeric membrane in rolls | |
| Material | polyester non-woven fabric from continuous thread, needle-punched and thermo-bonded | |
| Colour | light green | |
| Shelf life | ≈ 24 months in a cool dry place | |
| Warning | avoid direct exposure to sunlight and sources of heat | |
| Width | 1 m ± 5 mm | EN 1848-2 |
| length | 50 m EN 1848-2 | |
| Thickness | ≈ 0.65 mm | ISO 9073-2 |
| Weight | ≈ 150 g/m² | ISO 9073-1 |
| Tensile strength: | | |
| longitudinal | 430 N/50 mm | ISO 9073-3 |
| transversal | 430 N/50 mm | ISO 9073-3 |
| Longitudinal elongation | ≥ 30% | ISO 9073-3 |
| Transversal elongation | ≥ 30% | ISO 9073-3 |
| Permeable to air | ≈ 1100 l/m²s | |
| Flammability class | B2 DIN 4102 | |

Values taken at +23 °C, 50% R.H. and no ventilation.

PERFORMANCE

VOC INDOOR AIR QUALITY (IAQ) - VOLATILE ORGANIC COMPOUND EMISSIONS

| | | |
|------------|-----------------------|------------------------------|
| Conformity | EC 1 plus GEV-Emicode | GEV certified 10418/11.01.02 |
|------------|-----------------------|------------------------------|

HIGH-TECH WHEN USED IN COMBINATION WITH BIOGEL® NO LIMITS® AND PORCELAIN TILES

| | | |
|------------------------------|-----------------------|--------------|
| Shear adhesion after 28 days | ≥ 1 N/mm ² | ANSI A-118.1 |
|------------------------------|-----------------------|--------------|

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
- storage: protect the rolls from direct sunlight, heat sources and rain, both during storage in the warehouse and on site.
- the product is an item according to the definitions of the EC Regulation No. 1907/2006 and therefore does not require a 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 2012. This information was last updated in July 2019 (ref. GBR Data Report - 07.19); 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.

Kerakoll
Quality
System

ISO 9001
CERTIFIED
IT10/0327

Kerakoll
Quality
System

ISO 14001
CERTIFIED
IT242729/UK

Kerakoll
Quality
System

BS 18001
CERTIFIED
IT255412/UK

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