Fugaflex Eco

Eco-friendly, water-based elastomeric latex for normal and rapid-setting mineral grouts, ideal for use in GreenBuilding. Solvent-free, safeguards the health of both operators and the environment.

Fugaflex Eco increases the flexibility of grouts, guaranteeing the continuity of coverings laid on deformable substrates or subject to thermal expansion.

GREENBUILDING RATING®

	Low Emission IAQ VOC Indoor Air Quality	Water Based	SLV REDUCED Solvent ≤ 80 g/kg	Low Ecological Impact	Health Care
	✓	✓	✓	✓	✓
		Water-based formulation	Solvent-free	No environmental hazard rating	Non-toxic and non-hazardous

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

- Increases adhesion
- Does not alter workability, ease of cleaning and interval before normal use
- Improves water-repellence and surface hardness

AREAS OF USE

Use
Additive for mineral grouts.

Materials to be grouted:
- porcelain tiles, low thickness slabs, ceramic tiles, klinker, cotto, glass and ceramic mosaic, of all types and formats
- natural stone, recomposed materials, marble

Internal and external flooring and walls, in domestic, commercial and industrial applications and street furniture, in environments subject to heavy traffic, swimming pools, baths and fountains, to grout deformable substrates, also in areas subject to thermal shock and freezing.

Do not use
On floors and walls where specific chemical resistances or absolutely no water absorbency are required; to grout elastic expansion or fractionizing joints; on substrates which are highly deformable, not fully dry or subject to moisture rising; on tiles or materials with porous or rough surfaces that are difficult to clean.

INSTRUCTIONS FOR USE

Preparation of substrates
Check that tiles have been laid correctly and are anchored perfectly to the substrate. Apply grout to dry substrates. Any water or moisture rising can cause salt to build up on the surface or shade variations. Any dust and loose debris must be removed from the joints by carefully cleaning them with a vacuum cleaner.

Preparation
Fugaflex Eco can be used to prepare Fugabella® Eco mineral grouts, completely replacing and in the same ratios as the mixing water. Pour the latex into a clean container and add the grout gradually, mixing the paste from the bottom upwards with a low-rev (≈ 400/min) helicoidal agitator until an even-coloured, lump-free paste is obtained. The mixing ratio indicated on the packaging is an approximate value. It is possible to obtain mixtures with consistency of variable thixotropy according to the application to be made.

Application
Mix Fugabella® Eco with Fugaflex Eco and apply evenly on the tile covering with a spreader or hard rubber float. Seal the joints by completely grouting them applying the grout diagonally to the tiles. Begin cleaning the tilework when the grout is touch dry into the joint. Use circular movements to soften the film of hardened grout on the tiles and finish cleaning the joint surface. When cleaning, use an even amount of water on the whole surface to prevent any shade variations. Make sure clean water is used at all times using appropriate trays with grills and cleaning rollers for the sponge.

Cleaning
Residual traces of Fugaflex Eco can be removed from tools with water before the product has hardened.

* 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).

Fugaflex Eco Code: P312 2018/12 GCC/EN

SPECIAL NOTES

Before grouting highly porous surface coverings, or at high temperatures, wipe a damp sponge over the surface to close the porosity or to cool the surface, being careful not to cause water to stagnate in the joints. Using Fugaflex Eco does not significantly alter the workability characteristics of Fugabella® Eco grouts.

ABSTRACT

For mineral grouts with reduced water absorption and low elastic modulus replace the mixing water with eco-friendly, water-based flexibilizing agent for normal and rapid setting grouts, GreenBuilding Rating® Eco 4, such as Fugaflex Eco by Kerakoll Spa. Total replacement of water determines an average coverage of ≈ ____ kg of Fugaflex Eco / 1 kg of cement-based grout.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	white liquid	
Specific weight	≈ 1 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 / 1 kg cans	
Recommended dosage:		
- Fugabella® Eco Porcelana 0-5	≈ 1.5 kg / 1 x 5 kg bag	
- Fugabella® Eco 2-12	≈ 5.2 kg / 1 bag 25 kg – ≈ 1.1 kg / 1 bag 5 kg	
Viscosity	≈ 14 mPa · s, rotor 1 RPM 100	Brookfield method
pH	≈ 9.3	
Temperature range for application	from +5 °C to +35 °C	
Coverage	see dosages	

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 and of the materials laid.

PERFORMANCE

HIGH-TECH		
Mixture used for testing	≈ 6 kg Fugaflex Eco/ 1 x 25 kg bag of Fugabella® Eco 2-12	
Specific weight of the mixture	≈ 1.98 kg/dm³	UNI 7121
Dynamic elastic modulus after 28 days	≈ 17000 N/mm²	UNI 9524
Flexural strength after 28 days	≥ 10 N/mm²	EN 12808-3
Compressive strength after 28 days	≥ 25 N/mm²	EN 12808-3
Water absorption after 30 min.	≤ 1 g	EN 12808-5
Water absorption after 240 min.	≤ 3.5 g	EN 12808-5

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
- store and use at a temperature above +5 °C. Protect from frost
- respect the preset mixing ratio
- workability times may vary considerably, depending on environmental conditions and on tile and substrate absorbency
- apply the mixed product to a trial section first to check how the porous or microporous surface ceramic tiles or natural stone react to cleaning, as they may not be suitable for the use of grouts with latex additives
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service - info@kerakoll.ae

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The Eco and Bio classifications refer to the GreenBuilding Rating® Manual 2012. This information was last updated in December 2018 (ref. GBR Data Report - 12.18); 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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