Top Latex Eco

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

Top Latex Eco increases the longitudinal and transversal deformation of adhesives, guaranteeing unaltered workability and safe, easy and eco-friendly laying.

GREENBUILDING RATING®

Top Latex Eco
- Category: Liquid organic products
- Laying ceramic, porcelain tiles and natural stone

rating4

Water-based formulation	Solvent-free	No environmental hazard rating	Non-toxic and non-hazardous
✓	✓	✓	✓

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

- Increases substrate adhesion
- Recommended as an additive for substrates and materials subject to extreme deformation
- Does not alter workability times of normal and rapid setting mineral adhesives

ECO NOTES

- Water-based, limits the risk of loads that could be harmful and dangerous to the environment during storage and transportation
- Formaldehyde and phthalates are not present in the formulation to guarantee safer on-site use

AREAS OF USE

Use
Eco-friendly latex-based elastic additive for all types of mineral or cement-based adhesives.

Used as an additive in the following products:
- mineral adhesives from the Biogel® range
- mineral adhesives

Materials to be bonded:
- homogeneous tiles, 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, for laying on deformable substrates, also in areas subject to thermal shock and freezing.

Do not use
On gypsum-based plasters and anhydrite screeds without the use of Primer A Eco water-based, eco-friendly primer; on plastic or resilient materials and metals and on substrates subject to continuous moisture rising.

* 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).

Top Latex Eco Code: P327 2020/01 - EN

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INSTRUCTIONS FOR USE

Preparation of substrates
Substrates must be absorbent, free from dust, oil and grease, free from any rising damp, with no loose, flaky material. The substrate must be stable, without cracks and have already completed the curing period of hygrometric shrinkage. Uneven areas must be corrected with suitable smoothing and finishing products.

Preparation
Use Top Latex Eco as partial or full replacement of mixing water. After having mixed the powder with the indicated quantity of Top Latex Eco it is necessary to adjust the consistency of the mixture by adding water according to the type of application required, until a smooth, lump-free paste is obtained.

Application
The cement-based adhesive, mixed with Top Latex Eco can be applied with a suitable toothed spreader, to be chosen according to the size and type of the tile. Using the smooth part of the spreader, apply an initial fine layer to adjust absorption of the substrate with such a quantity of product as will allow for laying of the covering material within the open time. In environments subjected to heavy traffic, with materials to be smoothed on-site and in external applications use the double-spread technique to ensure 100% wettability of tile backs. Top Latex Eco does not alter workability and hardening times of the adhesive. In warm, dry or windy climates check open times, which may be reduced.

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

SPECIAL NOTES

Mixing-ratio percentages used during addition of the water-based, eco-friendly elastic agent Top Latex Eco to eco-friendly mineral adhesives by Kerakoll may vary according to different factors such as the format of the tiles or marble slabs, the actual use of the covering materials, the type of substrate, subsequent hygrometric shrinkage and the thermal expansion coefficient.

ABSTRACT

The addition of normal and rapid-setting mineral adhesives for laying of ceramic tiles, vitrified tiles and marble for increased flexibility and adhesion will be carried out with an eco-friendly, water-based elastic agent, GreenBuilding Rating® 4, such as Top Latex Eco by Kerakoll Spa. Create elastic, fractionizing joints and lay covering materials with joints appropriate for the format of the tiles used.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	white liquid	
Specific weight	≈ 1.01 kg/dm^3	
Shelf life	≈ 12 months in the original packaging	
Warning	protect from frost, avoid direct exposure to sunlight and sources of heat	
Pack	25 - 8 kg cans	
Mixing ratio:		
- adhesives Class C1	as a replacement for mixing water	
- adhesives Class C2	2 parts Top Latex Eco : 1 part water	
- adhesives Class C2 S1	1 part Top Latex Eco : 2 parts water	
Viscosity	≈ 33 mPa · s, rotor 1 RPM 100	Brookfield method
pH	≈ 7.06	
Temperature range for application	from +5 °C to +35 °C	
Coverage	see dosages characteristics of adhesive	

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.

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PERFORMANCE

HIGH-TECH		
Biogel® No Limits + Top Latex Eco		
Mixing ratio	1 part Top Latex Eco : 1 part water	
Pot life	≥ 4 hrs	
Open time	≥ 30 min.	EN 12004-2
Adjustability	≥ 30 min.	
Foot traffic	≈ 24 hrs	
Grouting in walls / flooring	≈ 24 / 36 hrs	
Interval before normal use	≈ 7 days	
Transversal deformation S2	≥ 5 mm	EN 12004-2
Adhesion to concrete after 28 days	≥ 2 N/mm^2	EN 12004-2
adhesion after water immersion	≥ 1 N/mm^2	EN 12004-2
Adhesion after heat ageing	≥ 2 N/mm^2	EN 12004-2
Adhesion after freeze-thaw cycles	≥ 1 N/mm^2	EN 12004-2
Conformity	C2 TES2	EN 12004-2

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
- lay and press tiles onto fresh adhesive, making sure it has not formed a surface skin
- workability times may vary considerably, depending on environmental conditions and on tile and substrate absorbency
- protect from direct rainfall for at least 24 hrs
- use a toothed spreader suitable for the format of the tiles
- do not use directly on substrates with a gypsum or anhydrite base
- 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

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