

# 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 fixing.



**GREENBUILDING RATING®**

**Top Latex Eco**  
 - Category: Liquid organic products  
 - Class: Mineral adhesives with SAS technology  
 - Rating: Eco 4

|  |  |                         |              |                                |                             |
|--|--|-------------------------|--------------|--------------------------------|-----------------------------|
|  |  |                         |              |                                |                             |
|  |  |                         |              |                                |                             |
|  |  | 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
- Does not alter interval before normal use
- Recommended as an additive for surfaces and materials subject to extreme deformation
- Does not alter workability times of 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:

- extra fast-setting mineral adhesives
- normal-setting mineral adhesives

Materials to be bonded:

- vitrified 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 surfaces, 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, surface isolation; on plastic or resilient materials and metals and on surfaces subject to continuous moisture rising.

00034Top Latex Eco Code: P327 2015/05 IN

## 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 surface 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 adhesive, mixed with Top Latex Eco can be applied with a suitable toothed trowel, to be chosen according to the size and type of the tile. Using the smooth part of the trowel, apply an initial fine layer to adjust absorption of the surface with such a quantity of product as will allow for fixing 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® Eco 4, such as Top Latex Eco by Kerakoll Spa. Total replacement of water determines an average coverage of ≈ \_\_\_\_ kg of Top Latex Eco/1 25 kg bag of adhesive. If necessary, add water to obtain a mixture of the desired consistency. Create elastic, fractionizing joints and fix 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 <sup>3</sup>   |
| 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 absorbcency level of the surface and of the materials fixed.*

## PERFORMANCE

### HIGH-TECH

H40® No Limits + Top Latex Eco

|                                    |                                      |          |
|------------------------------------|--------------------------------------|----------|
| Mixing ratio                       | 1 part Top Latex Eco : 2 parts water |          |
| Pot life                           | ≥ 4 hrs                              |          |
| Open time                          | ≥ 30 min.                            | EN 1346  |
| Adjustability                      | ≥ 30 min.                            |          |
| Foot traffic                       | ≈ 24 hrs                             |          |
| Grouting in walls / flooring       | ≈ 8 / 24 hrs                         |          |
| Interval before normal use         | ≈ 7 days                             |          |
| Transversal deformation S2         | ≥ 5 mm                               | EN 12002 |
| Adhesion to concrete after 28 days | ≥ 2 N/mm <sup>2</sup>                | EN 1348  |
| Adhesion after water immersion     | ≥ 1 N/mm <sup>2</sup>                | EN 1348  |
| Adhesion after heat ageing         | ≥ 2 N/mm <sup>2</sup>                | EN 1348  |
| Adhesion after freeze-thaw cycles  | ≥ 1 N/mm <sup>2</sup>                | EN 1348  |
| Conformity                         | C2 TES2                              | EN 12004 |

*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
- fix 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 surface absorbency
- protect from direct rainfall for at least 24 hrs
- use a toothed trowel suitable for the format of the tiles
- do not use directly on surfaces with a gypsum or anhydrite base
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll India Helpline (Toll Free) 1800-200-6550 - info@kerakollindia.com

The Eco and Bio classifications refer to the GreenBuilding Rating® Manual 2012. This information was last updated in April 2015 (ref. GBR Data Report - 05.15); please note that additions and/or amendments may be made over time by KERAKOLL SpA, for the latest version, see [www.kerakoll.com](http://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.