

# Prestocem Eco

Eco-friendly, thixotropic, extra-rapid setting and hardening mineral mortar, suitable for high-performance anchoring.

Prestocem Eco is ideal for the high-performance anchoring of railings, window and door frames, shelves, hinges, bathroom fittings, strips and boxes for electrical systems.



1. Extra-rapid setting
2. Anchoring guaranteed
3. Easy to use
4. Superior watertightness and resistance to frost

## Rating 1



- × Regional Mineral  $\geq 60\%$
- × Recycled Regional Mineral  $\geq 30\%$
- × CO<sub>2</sub> Emission  $\leq 250$  g/kg
- × VOC Low Emission
- ✓ Recyclable

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## Areas of application

### → Use

#### Anchoring of:

- shelving, pinning, hinges
- strips and boxes for electrical systems
- pipes

#### Installation of:

- Bathroom fittings
- railings
- wood or metal doors and windows

For internal and external use on cellular concrete blocks and panels, thermal bricks, concrete and cement-based screeds, clay block walls and masonry of different ages.

Do not use on gypsum or anhydrite-based substrates; non-absorbent substrates such as old floorings in ceramic tiles, marble-floor tiles, smoothed cement, plastic materials, wood and metal; substrates subject to movement.

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## Instructions for use

### → Preparation of substrates

The substrate must be compact and clean, i.e. free from dust, oil and grease. Any loose and flaky parts such as residual traces of lime, cement and paint must be removed. Smooth surfaces must be appropriately roughened. Absorbent substrates must be dampened using water to saturation point.

### → Preparation

To prepare Prestocem Eco, mix 25 kg of powder with approximately 5.3 litres of clean water. The mixture is obtained by pouring water into the clean container and then gradually adding the powder. It is quickly mixed by working manually or with a low-rev, mechanical stirring device until a smooth and lump-free mortar is obtained. Prepare only limited quantities of the product considering the short workability time.

### → Application

Apply quickly, i.e. before the product sets using a trowel or smooth spreader. Once the object has been anchored, finish off the surface with a trowel or float. Do not attempt to make corrections once the product has started to harden.

When filling large gaps, wait for one layer to harden before applying the next one.

When infilling to protect against water infiltration and minor leaks, widen the weak point if necessary; insert the mortar deep inside the gap and press down heavily until it has hardened.

### → Cleaning

Residual traces of Prestocem Eco can be removed from tools and other surfaces by washing them with water before the product hardens.

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## Special notes

Mix only the amount needed for each individual application.

Do not move or stress the anchor point for 2 hours after application. Do not add water or

remix the product during the setting phase.

Do not use as a metal covering patch layer on external facades.

# Certificates and marks



\* 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).

## Abstract

Anchoring operations on masonry should be performed using thixotropic, eco-friendly mineral mortar with extra-rapid setting and hardening, suitable for high-resistance anchoring in internal and external applications and resistant to environmental attack and frost/thaw cycles, GreenBuilding Rating 1 such as Prestocem Eco from Kerakoll. Coverage will be  $\approx 1.7 \text{ kg/dm}^3$  of cavity to be filled.

### Technical Data compliant with Kerakoll Quality Standard

Appearance	Pre-mixed	
Apparent volumetric mass	$\approx 1.21 \text{ kg/dm}^3$	UEAtc
Mineralogical nature of inert material	silicate - crystalline carbonate	
Grading	$\approx 0 - 600 \mu\text{m}$	EN 1219-1
Shelf life	$\approx 6$ months from production in the original sealed packaging, protect from humidity	
Pack	25 / 5 kg bags	
Mixing water	$\approx 5.3 \text{ l} / 1 \text{ x } 25 \text{ kg bag} - \approx 1 \text{ l} / 1 \text{ x } 5 \text{ kg bag}$	
Specific weight of the mixture	$\approx 2.1 \text{ kg/dm}^3$	EN 1015-6
pH of the mixture	$\geq 12$	
Workability time	$\approx 1 \text{ min. and } 30 \text{ s}$	EN 196/3
End setting time	$\leq 3 \text{ min.}$	EN 196/3
Temperature range for application	from $+5 \text{ }^\circ\text{C}$ to $+30 \text{ }^\circ\text{C}$	
Interval before normal use	$\approx 2 \text{ hrs}$	
Coverage	$\approx 1.7 \text{ kg/dm}^3$	

Values taken at  $+23 \text{ }^\circ\text{C}$ , 50% R.H. and no ventilation.

**Performance****HIGH-TECH**

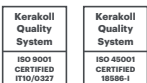
## Compressive strength:

- after 10 min.	$\geq 1 \text{ N/mm}^2$	EN 196/1
- after 1 hr	$\geq 7 \text{ N/mm}^2$	EN 196/1
- after 3 hrs	$\geq 12 \text{ N/mm}^2$	EN 196/1
- after 28 days	$\geq 25 \text{ N/mm}^2$	EN 196/1

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
- use at temperatures between +5 °C and +30 °C
- use warm water in low temperature environments and cold water in hot environments
- when exposed to strong sunlight, dampen Prestocem Eco after application
- do not add other binders or additives to the mixture
- 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](mailto:globalservice@kerakoll.com)



The Rating classifications refer to the GreenBuilding Rating Manual 2013. This information was last updated in May 2023 (ref. GBR Data Report - 06.23); please note that additions and/or amendments to this information 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 site 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.