

Factory Primermaxi EP

Epoxy system for the preparation of substrates before creating resin-based continuous flooring.

Factory Primermaxi EP is ideal for both the preparation of supports before applying film finishing coats and for the finishing of substrates before creating multi-layer or self-levelling systems.



1. For internal and external use
2. Easy to apply with a roller or spreader

Rating 2

- × Regional Mineral $\geq 30\%$
- × VOC Low Emission
- ✓ Solvent ≤ 5 g/kg
- × Low Ecological Impact
- ✓ Health Care



Areas of application

→ Intended use:

Substrate preparation and finishing before applying resin coatings.

Substrates

- floors in smoothed concrete or with a dry-shake quartz finish
- cement-based screeds
- existing floors in ceramic tile, porcelain tile, natural stone

Internal and external flooring in domestic, commercial and industrial applications. Suitable for heated substrates

Do not use on wet substrates or substrates subject to damp rising, when the temperature of the air, product and substrate is below +10 °C and when the relative air humidity is above 80%. do not use if the temperature of the substrate is not at least 3 °C above the dew point Do not use on dusty and flaky substrates or substrates polluted with oil, grease or dirt in general. Do not use as a depth consolidant for flaky cement-bases screeds and screeds that are not compact.

Instructions for use

→ Preparation of substrates

Substrates must be cleaned from dust, oil, grease detaching substances. Shall be permanently dry and free from any high residual moisture rising or in counterthrust. Cement-based substrates must have a residual moisture at a maximum of 3% (2.5% in the case of heated substrate). Anhydrite supports must have a moisture at a maximum 0.5% (0.2% in the case of heated substrate).

Substrates must be stable, non-deformable, have already completed the hygrometric shrinkage and be free from non-stable cracks. The substrates must be mechanically prepared using suitable processing cycle depending on the selected system and perfectly dusted.

Cement-based substrates: in general they must sanded if a film coating is going to be subsequently applied; they must be smoothed or shot-blasted if a multi-layer coating is going to be subsequently applied; shot-blasted if a self-levelling coating is going to be subsequently applied.

Ceramic, marble, porcelain substrates: in general they must be carefully ground to make them absorbent, and then treated with Keragrip Eco Pulep.

After they have been cleaned and prepared, substrates must have a surface tear strength > 1.5 mPa according to ASTM D 4541 and a compressive strength > 25 N/mm².

→ Preparation

Pour Part A into a clean container, add Part B in the proportion Part A : Part B = 10 : 3 and mix with care, preferably using an electric mixer, with rotation velocity of 300 – 600 rotations/minute, until a uniform mixture is obtained.

→ Application

Roller application: apply only on absorbent cement-based substrates. Apply uniformly with a roller making sure the coverage is approx. 0.2 – 0.3 kg/m². Overlaying with finishing products must be done after a minimum of 12 hours and in any case within a period of 24 hours. After this time, the surface will have to be carefully sanded before laying the second coat over it.

Spreader application: mix with Quarzo 1.3 and/or Quarzo 1.7 up to 50% (2 parts of Factory Primermaxi EP and 1 part of Quarzo 1.3 and/or Quarzo 1.7), apply a with a smooth metal spreader using the coverage of approx. 0.5-0.7 kg/m² (approx. 1 kg/m² in case it might be necessary to incorporate the Net 90 reinforcement mesh) and, if necessary, sprinkle the treated surface with Quarzo 1.3 while Factory Primermaxi EP is still fresh.

When dusting with Quarzo 1.3 is foreseen, overlaying with finishing products must be done after a minimum of 8 to 12 hours and in any case within a period of 24 hours. After this time, the surface will have to be carefully sanded before laying the second coat over it.

→ Cleaning

Residual traces of Factory Primermaxi EP can be removed from tools with DD or Diluente 01 before the product has hardened.

Special notes

→ Protect from sunshine, rain, frost and air currents for the first 24 hours.

→ For external applications it is always necessary to sprinkle the treated surface with Quarzo 1.3 while Factory Primermaxi EP is still fresh.

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

Substrate preparation before applying the multi-layer, self-levelling, resin-based film continuous covering, will be created with epoxy system compliant with GreenBuilding Rating 2, such as Factory Primermaxi EP, by Kerakoll Spa, with a coverage for roller applications of approx. 200 – 300 g/m² and approx. 500 – 700 g/m² for spreader applications.

Technical Data compliant with Kerakoll Quality Standard

Appearance:

- Part A semi-transparent beige liquid

- Part B straw yellow liquid

Shelf life ≈ 24 months from production in the original sealed packaging

Warning protect from frost, avoid direct exposure to sunlight and sources of heat

Pack part A 10 kg bucket - part B 3 kg can

Mixing ratio Part A : Part B = 100 : 30

Pot life ≈ 30 min

Temperature range for application from +10 °C to +30 °C

Overlay times min. 8 – 12 hours max 24 hours

Coverage:

- applicable with a roller approx. 200 – 300 g/m² per coat

- application with a spreader approx. 500 – 700 g/m² per coat

Values taken at +20 °C, 65% 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.

Performance

HIGH-TECH

Conformity	SR-B2,0	EN 13813
Adhesive strength	B 2.0 Class	EN 13892-8

Values taken at +20 °C, 65% 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
- do not use on unsuitable and/or not suitably prepared substrates
- do not use if the temperature of the substrate is not at least 3 °C above the dew point
- carefully protect any surfaces and objects in the application area from accidental contact
- read the product safety data sheet before use
- dispose of as indicated in applicable legislation
- 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 2013. This information was last updated in April 2023 (ref. GBR Data Report - 05.23); 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. 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.