

Factory Eco Flow EP

Transparent, two-component, self-levelling coat, low yellowing and high transparency for resin floors, ideal for use in GreenBuilding. Two-component, safeguards the health of operators

Factory Eco Flow EP is a self-levelling product with a high level of specific transparency to give resin floors a strong feeling of depth and three-dimensional structure. Impermeable to water, oil, and liquids used for food purposes.



GREENBUILDING RATING®

	 Low Emission Indoor Air Quality	 Water Based	 Solvent Reduced Solvent ≤ 80 g/lég	 Low Ecological Impact	 Health Care
					 Non-toxic and non-hazardous

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

- For internal use
- Thicknesses from 1.5 to 3 mm
- Suitable for impregnation and low-yellowing consolidation of absorbent mineral substrates

AREAS OF USE

Use
Transparent, self-levelling coat with a glossy, smooth finish. Suitable for heated substrates. Thicknesses 1.5 – 3 mm.

Substrates:

- epoxy multi-layer coats
- epoxy thick film coats
- epoxy self-levelling coats, floors in smoothed concrete or with a dry-shake quartz finish

Floors or interior horizontal elements in environments with foot traffic of low intensity. It is advisable to protect the covering by using scratch-proof protection finishes.

Do not use
In external applications, on substrates with a high level of flexibility and thermal expansion, on substrates that are not dry or subject to moisture rising.

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 or substrates consisting of porcelain tiles, ceramics, natural stone must have a residual moisture at a maximum 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). The substrate must be stable, non-deformable have already completed the hygrometric shrinkage and without non-stable cracks. They must have a surface tear strength >1.5 mPa according to ASTM D 4541 and a compressive strength > 25 N/ mm².
In general, substrates must be sanded in an intense and homogeneous way. Subsequently they should be perfectly dusted by suction.

Preparation
Factory Eco Flow EP is prepared by mixing together parts A and B from the bottom upwards, using a low-rev (400/min.) helicoidal agitator, respecting the preset ratio of the packs (Part A 5 kg : Part B 2.5 kg). Pour Part B into the bucket containing Part A, being careful to mix the two parts uniformly until a smooth, even coloured mixture is obtained. It is necessary to mix an amount of product that can be used within 20 minutes.

Application
Factory Eco Flow EP is applied with a smooth spreader in thicknesses from 1.5 to 3 mm.

Cleaning
Residual traces of Factory Eco Flow EP can be removed from tools with alcohol 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).

SPECIAL NOTES

If the substrate contains joints that are subject to shrinkage or movement in general, they must be brought to the surface and treated with suitable elastic sealing agents.

A second layer of Factory Eco Flow EP should only be applied after at least 12 hours and within 24 hours after the first coat.

In the event of applications on surfaces less than 0.5 m² the maximum applicable thickness per coat is 1 cm.

Special applications: Factory Eco Flow EP can be used for consolidation and low-yellowing impregnation of absorbent mineral substrates, even in external applications. In this case, use the product undiluted or diluted up to 30% with denatured, neutral colour high quality and purity alcohol and apply with a roller or spreader smoothing it off completely.

ABSTRACT

The transparent resin coating will be made with self-levelling mineral organic formulation with GreenBuilding Rating® Eco 1 such as Factory Eco Flow EP by Kerakoll Spa. Apply the product with a smooth or toothed spreader on the appropriately prepared substrate in thicknesses from 1.5 to 3 mm with a coverage of ≈ 1.1 kg/mm². Protect the covering with a scratch-proof finish protection.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	transparent liquid
Shelf life	≈ 12 months in the original packaging
Warning	protect from frost, avoid direct exposure to sunlight and sources of heat
Pack	part A 5 kg bucket - part B 2.5 kg can
Mixing ratio	Part A : Part B = 100 : 50
Pot life	≈ 40 min.
Temperature range for application	from +10 °C to +30 °C
Foot traffic	≈ 24 hrs
Waiting time for overlaying	≈ 16 hrs
Interval before normal use	≈ 48 hrs
Coverage	≈ 2 – 4 kg/m ²

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.

WARNING

- **Product for professional use**
- abide by any standards and national regulations
- when used for decorative purposes, bear in mind that exposure to UV rays may, over time, result in slight variations in colour tone
- apply the product at substrate temperatures from +10°C to +30°C
- apply on dry substrates
- protect from direct sunlight and currents of air for the first 6 hours
- do not apply on dirty or loose surfaces
- dispose of as indicated in applicable legislation
- the properties of products exposed to sharp changes in temperature (due to transport, storage, building site use, etc.) may be altered (e.g. crystallisation, partial hardening, fluidization, accelerated or delayed catalysis). In most cases, when products are restored to optimal conditions, the original properties will also be restored
- protect surfaces and objects from accidental contact
- read the product safety data sheet before use
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service - info@kerakoll.ae

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.