

# Factory Colorwet EP

Highly vapour-permeable coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding. Two-component, with reduced solvent content, safeguards the health of operators.

Factory Colorwet EP is specific to create coloured, multi-layer resin-based coatings, on substrates without a vapour barrier or with high residual damp. Impermeable to water and resistant to oil, hydrocarbons and liquids used for food purposes.



**GREENBUILDING RATING®**

rating 2

Solvent-free

Non-toxic and non-hazardous

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

**PRODUCT STRENGTHS**

- Internal, external
- Opaque textured finish
- Highly permeable to vapour
- Ideal for damp environments

**AREAS OF USE**

**Use**  
 Opaque, textured, coloured finishing coat used to create multi-layer type continuous flooring.  
 Substrates:  
 - floors in smoothed concrete or with a dry-shake quartz finish  
 - cement-based screeds

For internal and external use (please see warnings and limitations), on domestic, commercial and industrial floors with low traffic intensity. Suitable for heated substrates. Like all epoxy resin coatings, in Factory Colorwet EP colour changes may occur over time, particularly when applied outside. As this is a microporous product it has a greater tendency to retain traces of dirt.

**Do not use**  
 On substrates with a high degree of flexibility and thermal expansion, as a waterproofing system. In areas subject to heavy and high traffic. As this is a breathable product it is not suitable for use in contact with concentrated and aggressive chemicals.

**INSTRUCTIONS FOR USE**

**Preparation of substrates**  
 Substrates must be smooth and cleaned from dust, oil, grease detaching substances. They must be mechanically prepared using suitable processing cycle depending on the selected system and perfectly dusted. Generally, the most suitable preparation in case of realization of multi-layer coverings is the shot peening. 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/mm<sup>2</sup>.

**Dusting supports:** in the presence of cement-based screeds, dusting or poorly cohesive substrates, apply Factory Base EP diluted with water to a ratio of 1:1 as a dust-proofing and consolidating agent.

**High-absorption substrates:** in the presence of high-absorption substrates or high temperatures, apply one coat of Factory Colorwet EP diluted 20% with water using a roller or brush, as a base coat.

**Rough or porous substrates:** in the presence of rough and/or porous substrates, apply a first coat of Factory Colorwet EP with the addition of 2 - 3% Factory Tixelight as a finishing layer, and dust to saturation with Quarzo 1.3 on the product after application while it is still fresh.

**Preparation**  
 Factory Colorwet 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 12 kg : Part B 2 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. If necessary, add ≈ 2 – 5% water to the mix to obtain the required consistency. It is necessary to mix an amount of product that can be used within 20 minutes.

\* 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).

## INSTRUCTIONS FOR USE

### Application

Multi-layer coatings: apply Factory Colorwet EP with a smooth spreader, taking care to level the surface and respecting a coverage of  $\approx 2.3 \text{ kg/m}^2$ . While still fresh, dust the whole surface to saturation with Quarzo 1.3. Wait until the product has hardened and remove any excess quartz. Sand the surface to even up the flooring. Apply a second coat of Factory Colorwet EP taking care to finish the surface evenly and respecting a coverage of  $\approx 0.7 \text{ kg/m}^2$ .

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

When applied outdoors (please see warnings and limitations) it is necessary to incorporate suitable Net 90 reinforcement mesh in the first coat of Factory Colorwet EP, expose all the joints in the substrate and treat them with suitable elastic sealants.

Self-levelling coating: apply a coat of Factory Colorwet EP diluted 20% with water, using a roller or brush. After hardening, apply Factory Colorwet EP diluted 5 – 7% with water, using a smooth or toothed spreader and making sure that a minimum coverage of  $\approx 3.5 \text{ kg/m}^2$  is maintained.

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

When applied outdoors it is necessary to incorporate suitable Net 90 reinforcement mesh in the first coat of Factory Colorwet EP, expose all the joints in the substrate and treat them with suitable elastic sealants.

### Cleaning

Residual traces of Factory Colorwet EP can be removed from tools with water before the product has hardened.

## SPECIAL NOTES

Special applications: it is possible to use Factory Colorwet EP as a low thickness finishing product, with limited durability to wear, as a dust-proofing and to reduce the level of absorption in the substrate. In this case, apply Factory Colorwet EP in two - three coats using a roller, diluting it 10 - 15% with water.

If Factory Colorwet EP is used internally on substrates that are not damp or subject to moisture rising, it is recommended that the surface be protected by applying two coats of opaque finish Factory Protection PU, in order to give the coating greater protection against scratching and dirt.

When Factory Colorwet EP is used on damp substrates or those subject to damp rising, it is recommended that, in order to decrease the pick-up of dirt, the surface be protected by application with a short-bristle roller or wax applicator of two coats of Factory Base EP diluted 1 : 5 with water (1 part of Factory Base EP to 5 parts of water), maintaining a total coverage of  $\approx 50 \text{ g/m}^2$ . In these cases it is advisable to check that the surface retains a sufficient friction coefficient, according to the specific needs of the type of flooring use.

## ABSTRACT

*The resin coating is made of mineral organic formulation with high permeability to water vapour, in accordance with the GreenBuilding Rating® 2 such as Factory Colorwet EP by Kerakoll Spa. Apply two or more coats with a smooth spreader on the previously prepared substrate. Coverage  $\approx 2 \text{ kg/mm/m}^2$ .*

## TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	fluid white or coloured paste
Shelf life	$\approx 12$ months from production in the original sealed packaging
Warning	protect from frost, avoid direct exposure to sunlight and sources of heat
Pack	part A 18 kg bucket - part B 3 kg can
Mixing ratio	Part A : Part B = 6 : 1
Waiting time for overlaying	$\approx 12$ hrs
Interval before normal use	$\approx 48$ hrs
Coverage:	
- first coat	$\approx 2 \text{ kg/m}^2$
- second coat	$\approx 0.5 - 1 \text{ kg/m}^2$

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.

## PERFORMANCE

<b>HIGH-TECH</b>		
Conformity	SR-B2,0-AR0,5-IR4	EN 13813
Adhesion to concrete after 14 days*	$\geq 4 \text{ N/mm}^2$	

Values taken at +20 °C, 65% R.H. and no ventilation. Data may vary depending on specific conditions at the building site.  
\* average values, may vary according to colour

## COLOUR CHART



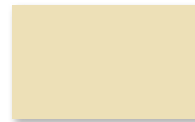
RAL 1001



RAL 1002



RAL 1006



RAL 1015



RAL 3000



RAL 3011 \*\*



RAL 5007



RAL 5012



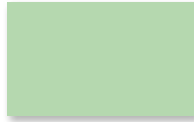
RAL 5024



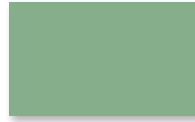
RAL 6001 \*\*



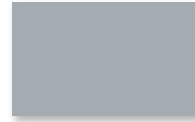
RAL 6017



RAL 6019



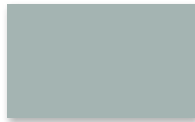
RAL 6021



RAL 7001



RAL 7037



RAL 7038



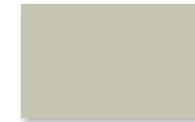
RAL 7040



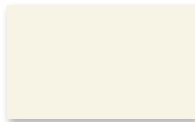
RAL 7042



RAL 7043



RAL 7044



RAL 9001 \*\*

*The shades shown in this colour chart are purely indicative. For colour selection you are referred to the Kerakoll RAL Colour Chart.  
Uncoded colours: feasibility, minimum quantity, delivery times on request.*

*\*\* The product's special finish means that it is not possible to reproduce the RAL colour indicated exactly.*

## WARNING

- **Product for professional use**
- abide by any standards and national regulations
- when used in external applications the product and application have a decorative function only and are not protective
- apply the product at substrate temperatures from +10 °C to +30 °C
- 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 any surfaces and objects in the application area from accidental contact with the product
- 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 +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 November 2020 (ref. GBR Data Report - 1220); 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.



**KERAKOLL**  
The GreenBuilding Company

KERAKOLL S.p.a.  
Via dell'Artigianato, 9 - 41049 Sassuolo (MO) Italy  
Tel +39 0536 816 511 - Fax +39 0536 816 581  
[info@kerakoll.com](mailto:info@kerakoll.com) - [www.kerakoll.com](http://www.kerakoll.com)