Factory Colorwet EP

Highly vapour-permeable coloured organic mineral coating for industrial floors.

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
REF. GBR DATA REPORT 06.23
APPROVED

Rating 2

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

1. For internal and external use
2. Opaque textured finish
3. Highly permeable to vapour
4. Ideal for damp environments

kerakoll

Areas of application

→ Intended 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/mm².
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 Tixolight 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.

→ Application
Multi-layer coatings: apply Factory Colorwet EP with a smooth spreader, taking care to level the surface and respecting a coverage of ≈ 2.3 kg/m². 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 ≈ 0.7 kg/m².
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 ≈ 3.5 kg/m² 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 Microresina Xtreme, 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 ≈ 50 g/m².
→ 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.

Certificates and marks

CE EN 13813

SR B2,0-AR0,5-IR4 EN 13813

ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

** 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

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 ≈ 2 kg/mm/m².

Technical Data compliant with Kerakoll Quality Standard	
Appearance	fluid white or coloured paste
Shelf life	≈ 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	≈ 12 hrs
Interval before normal use	≈ 48 hrs
Coverage:	
- first coat	≈ 2 kg/m²
- second coat	≈ 0.5 – 1 kg/m²

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-AR0,5-IR4	EN 13813
Adhesion to concrete after 14 days*	≥ 4 N/mm²	

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

	Factory Colorwet EP colour	
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		**

* Low coverage colour, do not use for thin film (Factory System N° 2) and thick film (Factory System N° 3) applications; apply an additional white base coat on the wall

** 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 - info@kerakoll.ae

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