Cementoresina® 1

Coloured base coat for Cementoresina® floors. Italian design for living comfort.

Defines the substrate structure and the stress dividing layer of Cementoresina® continuous floor to be overlaid with Cementoresina® 2 coloured decorative finishing product.
For internal use, in domestic and commercial environments. For floors, stairs and shower trays. Available in the 10 Warm Collection colours.

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*GREENBUILDING RATING REF. GBR DATA REPORT 02.21 APPROVED

Rating 2

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

1. Monopack
2. Two-component, coloured throughout the mass
3. Easily workable with Trowel 2
4. Defines the structure of Cementoresina®
5. Flexible and tough
6. Does not require tacking with Quarzo 1.3
7. Easy to sand

Areas of application

→ Smoothing layer for:
- Cementoresina® continuous floors and stairs
- Cementoresina® R11 high grip

→ Substrates: Floorzero®

→ For internal use, in domestic and commercial environments. Suitable for heated substrates.

Do not use
Outside the Cementoresina® or Cementoresina® R11 three-layer system.

Instructions for use

→ Preparation of substrates
The Floorzero® support layer must be carefully prepared: sand with a buffer machine (36-grain carborundum disk) and vacuum thoroughly to remove sanding residue.
Before the application, check that the Floorzero® substrate is leveled, defects and imperfections of the substrate have been covered, and that the Net 90 reinforcing mesh is not showing.
Carefully check that imperfectly catalysed areas of Floorzero® are not present (this can result from incorrect mixing); in case they are, carefully remove all areas that have not perfectly hardened and carry out a local grouting applying again Floorzero. If widespread defects are present, consider applying an additional coat of Floorzero®. Before applying check that the Floorzero® substrate is free from other work residues, contaminants and detached substances.
If imperfections are present mix Cementoresina® 1 and fill small imperfections before proceeding with the subsequent application.

→ Preparation
Pour part B (contained inside the bucket of part A), carefully cleaning the sides of the bucket, following the catalysis ratio Part A : Part B = 4 : 1 (by weight). Mix with care, using an electric mixer, with rotation speed of 300 – 600 rotations/minute, and with a helicoidal agitator, until a smooth mixture is obtained.
After carefully mixing for the first time, run a squared-sided trowel along the sides and bottom of the bucket to remove the part that may not have been mixed with part B. After cleaning the trowel in the bucket, mix again with a helicoidal agitator until an even coloured mixture is obtained.

→ Application.
The product is spread onto the surface, smoothing the surface with Trowel 2 spreader checking that a coverage of ≈ 0.75 kg/m² is maintained to provide a layer on the surface of ≈ 1 mm.
Smooth the product on the Floorzero® support layer using small semi-circular movements of the trowel without leaving crests or ridges. Apply the product with a low angle of inclination of the spreader, so that the blade will slide on the inert material contained in the product.
The design of the worked area must be carried out with the same care in terms of pattern as the subsequent application of Cementoresina® 2.

→ Cleaning
The product can be removed from tools with Keragrip Eco Pulep. After Cementoresina® 1 has hardened it can only be removed mechanically.

Certificates and marks

EN 13813 · SR B2,0 EN 13813 STANDARD · Carbon Footprint · Émissions dans l'air intérieur A+ A B C · LEED

* 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

→ Before use acclimatize the product to reach room temperature.
→ Always use clean containers and tools. The photographic images in the catalogue and on the website, as well as the colours shown in the samples are to be considered purely indicative.
→ Use material from a single production batch for each project.
→ Materials coming from different batches may have variations in tonality and colour.

Technical Data compliant with Kerakoll Quality Standard	
Appearance:	
- Part A	coloured paste (WR01 – WR10)
- Part B	yellow/amber coloured liquid
Pack (monopack 4 + 1 kg):	part A bucket 4 kg - part B tin 1 kg
Shelf life	≈ 12 months from production in the original sealed packaging
Warning	protect from frost and store from +5 °C
Mixing ratio in weight	part A : part B = 4 : 1
Pot life	≈ 30 min.
Waiting time for the sanding and the top application	≈ 5 hrs (+30 °C) – ≈ 10 hrs (+10 °C)
Temperature range for application	from +10 °C to +30 °C
Relative environmental humidity	≤ 75%
Coverage	0.75 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	EN 13813

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
→ apply the product at substrate temperatures from +10 °C
→ apply on permanently 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 any surfaces and objects in the application area from accidental contact with the product
→ 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

Kerakoll Quality System ISO 9001 CERTIFIED IT10/0327
Kerakoll Quality System ISO 14001 CERTIFIED 18586-E
Kerakoll Quality System ISO 45001 CERTIFIED 18586-I

The Rating classifications refer to the GreenBuilding Rating® Manual 2012. This information was last updated in January 2021 (ref. GBR Data Report - 02.21); 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.

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Go green
Green Building Experience on www.kerakoll.com