

Microresina Zero

Microresina coloured base coat for the redesign of existing flooring with medium foot traffic.

Defines the coloured base providing perfectly adhering coverings for existing floorings in single and double-fired ceramics, porcelain tiles, glass mosaic, cotto, marble, natural stone and cement floors. Defines the continuous, coloured base layer ideal to receive the Microresina protective coloured layer. For internal flooring applications. Available in the 150 Color Collection colours and in the 10 Warm Collection colours.



Rating 2

1. It can be easily applied with a roller
2. High and uniform coverage
3. Enhances the textures of the materials it covers

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

Rating based on average colour formulations

Areas of application

- High-performance, coloured, water-based Microresina base layer for existing flooring.
- Substrates:
 - existing wall and floor coverings in single and double-fired ceramics, porcelain tiles, glass mosaic, cotto, natural stone treated with Keragrip Eco Pulep
 - cement floors
- For internal use, in domestic and commercial environments with medium foot traffic. Suitable for heated substrates and showers.

Do not use in external applications; on inadequately prepared heated substrates; on substrates subject to rising damp or with a residual humidity value exceeding 2% CM; on hardwood floors, PVC, laminates and linoleum; on substrates with residual wax or impurities in the joints.

Instructions for use

- Preparation of substrates

In general, substrates must be free of dust, oil and grease. Check that the substrates are stable and perfectly well anchored to the support before applying Microresina Zero. Substrates must be perfectly dry. Any residual rising damp or water can cause vapour pressure to accumulate, which can in turn loosen the microfilm due to the complete non-absorbency of the microfilm in Microresina.

 - Existing wall and floor coverings in single and double-fired ceramics, porcelain tiles, glass mosaic, cotto, natural stone: check the uniformity of the grouts; in case of loose or discontinuous grouts, remove the damaged or flaky parts of the old grouts; clean the surfaces of the old grouts with a metal brush or remove the outer layer with a Fuga-Remove scraper. Vacuum the cleaning residues and proceed with re-grouting using a cement-based grout from the Fugabella range (it is advisable to choose the same finish as the existing joints) or an organic grout from the Fugalite range (fine finish). Before grouting again with a grout from the Fugabella range, make sure that the minimum thickness of product to be applied is not less than 3 to 4 mm and moisten the joints to be repaired with a squeezed sponge before applying the Fugabella grout. Make sure that the minimum thickness of product to be applied is not less than 2 mm before grouting again with a grout from the Fugalite range. Substrates must be prepared by cleaning with products suitable for the type of dirt present. If alkaline treatments are used, rinse well with water to remove any washing residue completely. Check that there is no accumulation of pollutants in the joints. After washing, check that the humidity in the joints reaches suitable residual humidity levels (< 2% CM) before applying the Microresina cycle. After checking that no layers of wax or oily pollutants are present, prepare the surface by

passing a cloth dipped in Keragrip Eco Pulep adhesion promoter over the whole surface, damping the ceramic floor. Do not pour the adhesion promoter directly onto the floor, to avoid damping the joints too much before treatment.

- Cement floors: Substrates must be compact, solid, level and smooth. They must also be dimensionally stable, non-deformable and must have already completed the curing period for hygrometric shrinkage. The substrates must be permanently dry and free from rising damp. Cement based substrates must have a residual moisture at a maximum of 2% or 1.7% in case of under floor heating. The substrates must have a surface tear strength > 1.5 MPa according to ASTM D 4541 and a compressive strength > 20 N/mm². After suitable preparation and careful cleaning, the substrates must be treated with EP21 diluted up to 30% with Keragrip Eco Pulep, applied with a roller with a coverage of ≈ 0.1-0.2 ml/m² depending on the grade of absorption of the substrate. Wait at least 6 hours for the complete evaporation of the solvent then, if necessary, proceed with a second coat applying EP21 diluted with up to 10% Keragrip Eco Pulep and spread with a roller with a coverage of ≈ 0.2 l/m². Spread the primer evenly over the surface avoiding creating any build-up; let the EP21 be absorbed by the substrate before applying the Microresina Zero product. Before applying the product Microresina Zero sand the surface, after priming, with Durasoft Pad abrasive in order to remove surface imperfections, roughen the entire surface and guarantee suitable grip. Should there be any accidental accumulation or incomplete absorption of the EP21 primer, it is necessary to sand using 120 grain abrasive mesh, roughing the surface to guarantee sufficient grip; finally, vacuum up the waste carefully before proceeding with subsequent applications.

Instructions for use

→ Preparation

Stir part A before use. Add the hardening compound whilst stirring in the ratio Part A : Part B = 5 : 1 (in weight) and mix well until completely blended. Dilute the product up to 10% by weight with clean water and stir again.

→ Application

Microresina Zero must be applied carefully to the whole surface using a short-bristle roller, such as Roller Plus, respecting a coverage of approx. 0.2 kg/m² (particularly irregular substrates or large joints may require a coverage of up to ≈ 0.3 kg/m², also using 8 – 10 mm long-haired rollers). Conditions required for decorating are ambient temperatures between +10 and +30 °C and relative ambient humidity lower than 75%. Shape the corners with a brush, then pass over with the small roller as you proceed, so that the product can always be laid wet-on-wet. Do not pour the product directly onto the flooring, but dip the roller in the tray and distribute evenly on the flooring. Lay the product in areas that are not too large, applying the coats in a criss-cross manner and even out the product, which must be applied continuously.

In the joint areas, do not re-apply with the roller over areas that have already been coated previously, but blend together by lifting up the roller slightly at each overlap, so that no accumulations or excess amounts of material are applied by mistake.

When laying in several connected rooms, avoid any overlap, creating gaps and separations at the doors or thresholds connecting the rooms, using adhesive paper tape if necessary by using the joints as breaks.

If a good floor coverage has not been reached after applying the product, proceed with a second coat. Leave between 6 hours (+30 °C) and 16 hours (+10 °C) before applying on Microresina. If necessary, apply a further coat. Do not apply when the substrate is directly exposed to sunlight. After application, the surfaces must be protected against dust, water and humidity until the film has dried completely.

→ Cleaning

Residual traces of Microresina Zero can be removed from tools using water before the product hardens.

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

MICRORESINA ZERO_BASE LAYER

New generation, coloured water-based Microresina base coat for the re-design of existing floors, by roller application of Microresina Zero, GreenBuilding Rating 2, by Kerakoll Spa, applied using a roller with a coverage of ≈ 0.2 kg/m².

Special notes

- Before proceeding with the next step, check the product has been applied evenly. Sand the surface with Carboplus Sic 220 grain abrasive mesh until any residue, overlaps and visible joints formed while laying the material have been removed; clean thoroughly to suck up sanding residue.
- Before use acclimatize the product to reach room temperature.
- Protect all treated surfaces from rain and strong humidity during the first 48 hours following application. Especially thick applications of product in a single coat will result in longer full-depth drying times.
- Always use clean containers and tools. Use within 90 minutes from mixing.
- 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 from different batches may have slight colour and sheen variations.

Technical Data compliant with Kerakoll Quality Standard

Appearance:	
- Part A	coloured liquid
- Part B	yellowish paste
Pack	part A: 5 kg bucket / part B: 1 kg bucket
	part A: 1.5 kg bucket / part B: 0.3 kg bucket
Shelf life	≈ 12 months from production in the original sealed packaging
Warning	protect from frost, avoid direct exposure to sunlight and sources of heat
Mixing ratio	Part A : Part B = 5 : 1
Working time of mixture	≤ 90 min.
Dilution with water	5 – 10% by volume
Humidity of the substrate	≤ 2%
Temperature of the substrate	≥ +10 °C
Temperature range for application	from +10 °C to +30 °C
Waiting time between subsequent coats	≈ 6 hrs (+30 °C) / 16 hrs (+10 °C)
Touch-dry	≈ 2 hrs
Coverage	≈ 0.2 kg/m ²

Values taken at +23 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e. temperature, ventilation and absorbcency level of the substrate.

Performance

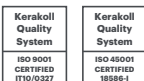
HIGH-TECH

Conformity	SR-B2,0	EN 13813
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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 dry substrates
 - do not add binders or additives
 - 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



The Rating classifications refer to the GreenBuilding Rating Manual 2013. This information was last updated in December 2023 (ref. GBR Data Report – 12.23); 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 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.