

Biocalce Fondo

Certified, eco-friendly, uniforming mineral coat based on selected pure CL 90-S lime putty compliant with EN 459-1 standard and selected inert materials.

Biocalce Fondo guarantees adhesion of lime-based decorative cycles to plaster surfaces or surfaces coated with synthetic paints. Lime putty guarantees conservative interventions in full respect of the existing structures and original materials.



Rating 3

1. Guarantees adhesion of lime-based decorations to gypsum, plasterboard and old paintwork in internal applications
2. Uniforms substrate absorption, thereby guaranteeing the even colour of the subsequent paint coat
3. Porous and breathable allows walls to breath
4. High power filler to correct imperfections in the substrate
5. Fine grain effect
6. Bacteriostatic and fungistatic product (CSTB method)**

- ✓ Pollution Reduced
- × VOC Low Emission
- × Water Based
- ✓ Health Care
- ✓ Low Ecological Impact

kerakoll

**Tests carried out according to CSTB method, bacterial and fungal contamination

Natural Ingredients



Pure CL90 lime putty



Pine oil



Siliceous washed natural river sand



Pure fine white Carrara marble



Natural, micronized casein

Areas of application

→ Intended use:

In internal applications to improve adhesion of lime-based decorative cycles:

- gypsum surfaces
- plasterboard
- paintings with synthetic paints
- surfaces with patches or partial
- repairs carried out with materials with uneven surface pores and absorption.

In external applications to improve adhesion of lime-based decorative cycles:

- surfaces with patches or partial
- repairs carried out with materials with uneven surface pores and absorption.

The all-natural ingredients guarantee compliance with the required levels of breathability and permeability to water vapour.

Do not use in external applications before lime- or cement-based finishing products. In external applications on synthetic paints or silicate cycles. On walls subject to rising damp without prior application of dehumidifying renders.

Instructions for use

→ Preparation of substrates

The substrate must be clean with appropriate means to make it free from loose debris, dust and mould.

New plaster/render patch layers must be left to cure.

On external surfaces carefully remove existing synthetic paints.

The substrate must be dry at the time of application.

For the treatment of substrates other than those mentioned and for additional information on the types of intervention to be carried out, we recommend to consult Kerakoll's Guide to decorating and preparing substrates.

→ Preparation

Mix carefully before use.

→ Application

Use Biocalce Fondo undiluted or diluted with water up to 10% in volume, depending on porosity and degree of absorption of the substrate. Apply one or more coats using a roller or brush, depending on the nature of the substrate to be evened out.

Apply Biocalce Fondo at temperatures from +8 °C to +30 °C and relative ambient humidity lower than 80%. Protect from frost.

→ Cleaning

Biocalce Fondo is a natural product and tools can be cleaned using water before the product hardens.

Special notes

→ When Biocalce Fondo fully hardens, apply the subsequent paint layer; but no later than 24 hours after the last finished application.

→ When applying, check the full coverage of the underlying masonry.
In presence of clear residue, a second coat is recommended.

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

*Biocalce Fondo is a specific coat based on CL 90-S selected lime putty, natural micronized casein, pine oil, silicate fillers, mica and China clay specific for the adhesion of lime-based decorative cycles to plaster-based substrates or surfaces painted with synthetic paints (only for internal applications). Provides natural ventilation to improve indoor air quality, bacteriostatic and fungistatic effect, GreenBuilding Rating 3^{***}.*

Use Biocalce Fondo undiluted or diluted with water up to 10% in volume, depending on porosity and degree of absorption of the substrate.

Also specific for uneven substrates to be lime finished in Edilizia del Benessere (Building for Wellness) and in Historical Restoration of the Environmental and Architectural Heritage.

Biocalce Fondo coverage: ≈ 0.15 - 0.3 l/m² per single coat.

*** Tests carried out according to CSTB method, bacterial and fungal contamination*

Technical Data compliant with Kerakoll Quality Standard

Appearance	White 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	14 l buckets
Temperature range for application	from +8 °C to +30 °C
pH on packaging	11.5 ± 0.5
Viscosity Brookfield RVT3 RPM10	10000 – 15000 cp ± 1000 cp
Volumetric mass (specific weight)	≈ 1,35 kg/l
Dry 105	≈ 60%
Complete drying at +23 °C and 80% R.H.	≈ 24 hrs
Coverage	≈ 0.15 – 0.3 l/m ²

Values taken at +20 ± 2 °C, 65 ± 5% R.H. and no ventilation. Data may vary depending on specific conditions at the building site.

Performance

Active INDOOR AIR QUALITY (IAQ) - Dilution of indoor pollutants *

	Flow	Dilution	
Toluene	297 µg m ² /h	+36%	JRC method
Pinene	348 µg m ² /h	+34%	JRC method
Formaldehyde	6390 µg m ² /h	+42%	JRC method
Carbon dioxide (CO ₂)	380 mg m ² /h	+5%	JRC method
Humidity (Humid Air)	70 mg m ² /h	+1%	JRC method

*Tests carried out according to JRC method - Joint Research Centre - European Commission, Ispra (Varese, Italy) - to measure the reduction of polluting substances in indoor environments (Indoortron Project). Flow and speed in proportion to a standard interior paint (0.2 mm).

Warning

- Product for professional use
 - abide by any standards and national regulations
 - use at temperatures between +5 °C and +30 °C
 - make sure the substrate is not frozen
 - do not apply in the event of strong wind, strong sunlight, rain or if there is a risk of frost in the following 24 hours
- do not apply to dirty, loose and flaking surfaces
 - 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 July 2023 (ref. GBR Data Report – 0723); 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.