

GeoLite® Base

Certified, eco-friendly, water-based preparation coat for mineral-based absorbent surfaces, ideal for use in GreenBuilding. Single-component, solvent-free and with very low volatile organic compound emissions. Safeguards the health of both operators and the environment.

GeoLite® Base is specifically intended for the preparation of substrates in the realisation of high-thickness patching on concrete slabs, flooring and structural elements. It regulates water absorption in the substrate and allows a natural and correct crystallisation and solid adhesion of the geo-mortar to the substrate.



GREENBUILDING RATING®

GeoLite® Base

- Category: Liquid Organic Products
- Class: Mineral geo-mortars for monolithic concrete restoration
- Rating: Eco 5

Very low VOC emissions	Water-based formulation	Solvent-free	No environmental hazard rating	Non-toxic and non-hazardous	

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

- Crystallises naturally in the substrate, reducing water absorption and promoting proper crystallisation of the geo-mortar
- For internal and external use
- Ready-to-use
- Easy-to-identify brown product
- Suitable even at low temperatures
- Ideal for application with roller or spray gun



ECO NOTES

- Water-based, limits the risk of loads that could be harmful and dangerous to the environment during storage and transportation
- Improved on-site safety guaranteed

AREAS OF USE

Use

Preparation of mineral substrates, such as concrete slabs, floors and structures, before the application of geo-mortar to regulate absorption, promote interstitial crystallisation and guarantee the monolithic quality of the patch layer.

Do not use

On high flexible substrates or substrates which may present a risk of strong dimensional movement; on substrates which are moistened or subjected to moisture rising.

INSTRUCTIONS FOR USE

Preparation

In general, substrates must be free from dust, oil and grease, free from moisture rising, with no loose, flaky or imperfectly anchored parts such as residues of cement, lime, varnishes and adhesives, which must be completely removed. The substrate must be stable, non-deformable and have already completed the curing period of hygrometric shrinkage. Mechanical scarification of horizontal substrates is always recommended.

Application

GeoLite® Base is ready-to-use. Do not dilute. Shake the can before use. GeoLite® Base can be applied with a brush, roller or spray gun. Apply a uniform film up to saturation point (on highly absorbent substrates repeat the operation repeatedly wet-on-wet). The colouring allows the user to check the application is complete.

Before overlaying, wait at least 1 hour and make sure the film of GeoLite® Base has hardened and is 'touch dry', presenting only a minor degree of stickiness to the touch. Repeat the operation after more than 8 hours.

INSTRUCTIONS FOR USE

Cleaning

Residual traces of GeoLite® Base can be removed from tools using water before the product hardens.

ABSTRACT

Preparation of concrete slabs, floors and structures before laying of geo-mortars, by application using a spray, roller or brush of a certified, eco-friendly, water based, single component preparation coat designed to regulate absorption and the natural crystallisation and solid adhesion of the geo-mortar to the substrate, such as GeoLite® Base by Kerakoll® Spa, GreenBuilding Rating® Eco 5.

TECHNICAL DATA COMPLIANT WITH KERAKOLL® QUALITY STANDARD

Appearance	Brown liquid	
Specific weight	≈ 1,01 kg/dm ³	
Shelf life	≈ 12 months in the original packaging	
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat	
Pack	cans 5 kg	
Viscosity	≈ 20,360 mPa · s, rotor 2 RPM 1	Brookfield method
pH	≈ 7,83	
Temperature range for application	from +5 °C to +35 °C	
Waiting time before laying	from 1 to 8 hrs	
Coverage	≈ 0,2 - 0,5 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 absorbency level of the substrate.

PERFORMANCE

VOC INDOOR AIR QUALITY (IAQ) - VOLATILE ORGANIC COMPOUND EMISSIONS

Conformity	EC 1 plus GEV-Emicode	GEV certified 3629/11.01.02
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HIGH-TECH

Adhesion to concrete after 7 days	≥ 2,5 N/mm ²
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Tensile strength on a non-absorbent substrate after 7 days	≥ 2 N/mm ²
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Values taken at +23 °C, 50% 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
- Check that the substrate is perfectly clean, dry, and compact
- Do not add binders, inert materials or additives
- If the product has been washed away or removed mechanically, it will have to be replaced by a further application
- Do not use as a promoter for plasters, mortars and screeds with semi-dry consistency or high granulometric grading
- If necessary, ask for the safety data sheet
- For any other issues, contact the Kerakoll Worldwide Global Service - globalservice@kerakoll.com

The Eco and Bio classifications refer to the GreenBuilding Rating Manual 2012. This information was last updated in April 2012 (ref. GBR Data Report - 05.12); 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.

Kerakoll
Quality
System

ISO 9001
CERTIFIED

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