Kerablock Eco

Eco-friendly, water-based vapour barrier and waterproofing protection for compact, absorbent and non-absorbent substrates.

Kerablock Eco develops extended overlay times, making it safe and easy to apply high-adhesion mineral waterproofing products, even when overlaying.

GREENBUILDING RATING
REF. GBR DATA REPORT 02.23
APPROVED

Rating 4

- × VOC Low Emission
- ✓ Water Based
- ✓ Solvent ≤ 15 g/kg
- ✓ Low Ecological Impact
- ✓ Health Care

1. Compliant to BBR-06
2. For internal use
3. Ready-to-use
4. Easy-to-identify red liquid
5. Suitable even at low temperatures
6. Easy to use for fast, safe, applications even with a roller

kerakoll

Areas of application

→ Use
Vapour barrier for smooth and compact, absorbent or non-absorbent substrates before application of waterproofing products.

Products suitable for overlaying:
- organic minerals waterproofing
- Organic waterproofing products

Substrates:
- wood panels and plasterboard
- compact and smooth cement-based screeds
- cement-based substrates
- anhydrite screeds and gypsum-based substrates

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 of substrates
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. Varnishes, paints and adhesives must be removed by mechanical means in those cases where they can be removed easily, leaving only the parts which are well anchored to the substrate. The substrate must be stable, non-deformable, without cracks and have already completed the curing period of hygrometric shrinkage. Absorbent substrates must be compact and smooth to allow Kerablock Eco to form a fine film during application. The substrate must be perfectly dry, following the appropriate curing phase, but also free from any traces of humidity which may be present due to accidental subsequent moistening. If in doubt, measure the degree of residual humidity with a calcium carbide hygrometer.

→ Preparation
Shake the bucket before use in order to obtain the best possible viscosity during application. Kerablock Eco is immediately ready for use.

→ Application
Apply two coats directly from the bucket to Kerablock Eco substrates. Apply a fine, uniform film, using a roller made of fine/medium-grain sponge and always spread the product in the same direction. Subsequently, repeat the operation on the same surface, with a pass perpendicular to the first. Proceed in this manner until the substrate has been covered completely. The distinct colouring of Kerablock Eco allows the user to check whether the application is complete and uniform.
Coverage after two coats must be 0.2 – 0.4 kg/m^2, according to the absorbency of the substrate.
Before overlaying, wait at least one hour (at +23 °C, 50% R.H.) and make sure the film of Kerablock Eco has hardened and bonded.

→ Cleaning
Residual traces of Kerablock Eco can be removed from tools using water before the product hardens.

Special notes

→ Once hardened, Kerablock Eco will withstand light foot traffic. Any slight traces of dirt and dust must be removed, using a dry method.
The use of water during this phase might cause a pull-up effect in the resin, which would compromise final adhesive strength.
If the film of Kerablock Eco is damaged, a further application of the product will have to be carried out.

The maximum period allowed for overlaying is 24 hours (at +23 °C, 50% R.H.). Once this period has elapsed, a new, complete application of Keragrip Eco will have to be carried out directly over the existing application.

Abstract

Certified preparation of smooth, compact, absorbent and non-absorbent substrates with eco-friendly, single-component, water-based vapour barrier, with GreenBuilding Rating 4, such as Kerablock Eco by Kerakoll Spa, before laying waterproofing, organic mineral products such as Nanodefense Eco. Apply with a roller made of fine/medium-grain sponge. Average coverage after two coats must be ≈ 0.2 – 0.4 kg/m². The substrate must be perfectly clean, dry and free from moisture rising.

Technical Data compliant with Kerakoll Quality Standard		
Appearance	Red liquid	
Specific weight	≈ 1,27 kg/dm³	
Shelf life	≈ 12 months in the original packaging	
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat	
Pack	5 kg cans	
Viscosity	≈ 13,000 mPa · s, rotor 2 RPM 5	Brookfield method
pH	≈ 7	
Temperature range for application	from +5 °C to +35 °C	
Waiting time before laying	from 1 to 24 hrs	
Coverage	≈ 0,2 – 0,4 kg/m²	

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		
HIGH-TECH		
Tensile strength after 28 days	≥ 1,2 N/mm²	EN 1348
Kerablock Eco / Nanodefense Eco / Biofix / Biogel No Limits / Bioflex system tensile strength:		
- Initial adhesion after 28 days	≥ 0,8 N/mm²	
- adhesion after water immersion	≥ 0,8 N/mm²	

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
→ do not apply on roughened substrates or substrates which require heavy thicknesses of product
→ make sure the substrate is perfectly clean, dry and compact
→ respect the indicated uses
→ check substrate adhesion before overlaying
→ 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
→ do not apply on substrates which present a high degree of deformability or thermal expansion
→ 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 2013. This information was last updated in March 2023 (ref. GBR Data Report - 03.23); please note that additions and/or amendments to this information 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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