

Keradur Eco

Certified, eco-friendly, water-based deep consolidant for absorbent substrates, ideal for use in GreenBuilding. Solvent-free and with very low volatile organic compound emissions. Safeguards the health of both operators and the environment.

Keradur Eco restores continuous mechanical resistances to fragmented, cement-based or mineral substrates before laying ceramic tiles, vitrified tiles, natural stone, hardwood floors, carpeting and resilient materials.



GREENBUILDING RATING®

	✓	✓	✓	✓	✓
	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

- Ready-to-use
- Internal, external
- High chemical stability
- Deep penetration
- Suitable for heated substrates

AREAS OF USE

Use

Consolidation of absorbent substrates before applying finishing products or laying coverings.

Products suitable for overlaying:

- mineral adhesives
- single-component and two-component organic mineral adhesives
- mineral finishing, levelling and self-levelling products
- cement-based, dispersed and reactive adhesives
- cement or gypsum-based finishing and levelling products and plasters

Substrates:

- absorbent, cement-based screeds
- cement-based plasters and cement-lime mortar

Flooring and walls, for internal use, in domestic, commercial and industrial applications

Do not use

On non-absorbent, gypsum or anhydrite-based or wet substrates subjected to continual moisture rising; in environments in continuous contact with water; as a waterproofing treatment; to increase the mechanical resistance of the substrate.

INSTRUCTIONS FOR USE

Preparation of substrates

Substrates must be absorbent, dry, free from dust, oil and grease, free from moisture rising, with no loose and flaky debris already breaking off, dimensionally stable, non-deformable and with no cracks. Residues of varnishes and paints must be removed completely. Where necessary, a compact surface layer must be roughened to allow the consolidant to penetrate deep within the substrate.

Preparation

Keradur Eco is a ready-to-use product for all types of floor and wall applications and on all types of absorbent substrates. Shake the can well before opening in order to redisperse the liquid evenly.

Application

Keradur Eco must be spread evenly across the surface to be treated using a brush, roller or sprinkler, checking that it is absorbed totally by the surface. During treatment, do not allow Keradur Eco to build up on the surface forming a shiny film. Constantly check the state of consolidation of the surface being treated. apply several coats to highly absorbent surfaces, waiting until the previous coat has dried completely before proceeding with the next. In such cases, higher quantities of the product will be required.

Cleaning

Residual traces of Keradur Eco can be removed from tools with water before the product has completely dried.

SPECIAL NOTES

After using Keradur Eco and at such times as the covering is to be laid, check that the humidity level of the substrate is suitable for the type of covering selected. Where hardwood floors or other coverings subjected to a high degree of movement are to be laid, check the actual consolidation of the substrate by conducting one or more tensile strength tests and check the residual moisture level deep in the substrate using a calcium carbide hygrometer.

ABSTRACT

The certified consolidation of fragmented, flaky, cement-based substrates with a high level of dust formation must be applied before fixing ceramic and vitrified tiles, marble, natural stone, hardwood floors, moquette and resilient materials using an eco-friendly, water-based depth consolidant, with GreenBuilding Rating® Eco 5, such as Keradur Eco manufactured by Kerakoll Spa. Apply to the surface to be treated using a brush or sprinkler in accordance with the absorbency of the surface for an average coverage of \approx ____ kg/m².

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	Transparent liquid	
Specific weight	≈ 1,16 kg/dm³	
Shelf life	≈ 12 months in the original packaging	
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat	
Pack	25 - 5 kg cans	
Viscosity	≈ 24 mPa · s, rotor 1 RPM 100	Brookfield method
pH	≈ 11,95	
Temperature range for application	from +5 °C to +35 °C	
Waiting time before laying:		
- ceramic tiles	≥ 24 hrs	
- hardwood floors and resilient materials	when R.H. ≤ 2%	
Coverage	≈ 0,5 – 2 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 surface.		

PERFORMANCE

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

Conformity	EC 1 plus GEV-Emicode	GEV certified 1234/11.01.02
LEED®		
LEED® Points Contribution*	LEED® Points	
MR Credit 4.1 Low-Emitting Materials	up to 1	GBC Italia

* LEED® is an environmental performance measurement system designed for new and existing commercial, institutional, and residential buildings, based on energy and environmental principles commonly recognized and accepted by the international scientific community. The LEED® building sustainability assessment system is a voluntary system. To calculate the score, consult the rules provided by the Italy LEED® Manual (edition 2009). © 2010, Green Building Council Italy, U.S. Green Building Council, all rights reserved

WARNING

- **Product for professional use**
- abide by any standards and national regulations
- do not use at temperatures below +5 °C and in the presence of high relative air humidity that would prevent any excess water from evaporating
- do not use on substrates which are damp or subjected to moisture rising
- check substrate adhesion before overlaying
- check that a film of the product does not build up on the surface
- measure the residual moisture of the substrate before fixing permeable coverings
- only use on cement-based substrates
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll India Helpline (Toll Free) 1800-200-6550 - info@kerakollindia.com

The Eco and Bio classifications refer to the GreenBuilding Rating® Manual 2012. This information was last updated in December 2014 (ref. GBR Data Report - 01.15); 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.