

Kerakover Eco Silox 1,2

Eco-friendly, organic, mineral covering, completely coloured, based on water-based acrylic-siloxane resins, ideal for use in GreenBuilding. Safeguards the health of both operators and the environment.

Kerakover Eco Silox 1,2 creates high-thickness, highly breathable and highly protective decorative coverings that are resistant to algae and atmospheric agents. Excellent workability and superior quality finishes. Internal, external.



GREENBUILDING RATING®

Kerakover Eco Silox 1,2
 - Category: Organic Mineral Products
 - Class: Mineral paint coats and coverings - Siloxane range
 - Rating*: Eco 3

* Rating based on average colour formulations

	Natural mineral content 68%	Indoor Air Quality	Solvent ≤ 5 g/kg	No environmental hazard rating	Non-toxic and non-hazardous

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

- Protects against atmospheric agents
- Resistant to attack from mould, algae and fungi
- Excellent spreadability and slide
- Excellent elasticity
- Fine, superior quality finish
- Suitable for insulation systems

ECO NOTES

- Formulated with locally-sourced minerals meaning lower greenhouse gas emission during transportation
- Improved on-site safety guaranteed

AREAS OF USE

Use
 Protective and waterproofing decoration of:

- dehumidifying plasters
- new cured plasters/renders
- old plasters/renders that are well anchored to the masonry substrate
- compact surface concrete structures
- surfaces with synthetic or mineral finishes, all in good condition
- thermal insulation panelling system

For internal and external use.

Do not use
 For the containment or continuous contact with water.

* 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).

INSTRUCTIONS FOR USE

Preparation of substrates

Surfaces to be decorated must be dry, well cured, not crazed and perfectly clean; all weakened parts, any layers of old paint which have begun to peel, dust and traces of parting compound must be removed. In the presence of moss, lichen and algae deposits, treat the surface beforehand with Kerakover Eco Activ then wash with a high-pressure washer 24 hours later. After cleaning and approximately 12 hours before the decorative cycle, apply one coat of Kerakover Eco Silox Primer stabilizing agent to improve adhesion of the finish to the substrate.

In KlimaExpert insulating panelling systems, use Kerakover Eco Silox Fondo. Kerakover Eco Silox Primer and Kerakover Eco Silox Fondo base coat may be coloured by adding up to 20% of Kerakover Eco Silox Pittura to obtain a coloured base before application of Kerakover Eco Silox fine plasters.

In the presence of old supports with limited cohesion, in which high levels of consolidation are required, apply one or two coats of Kerakover Eco Acrilex Consolidante solvent-based stabilizing agent.

Preparation

Kerakover Eco Silox 1,2 is ready-to-use. Always remix the product before application..

Application

Kerakover Eco Silox 1,2 must be applied using a steel spreader in one or more coats on supports that are completely dry or with a residual humidity of not more than 6%, and must be finished using a plastic spreader. Conditions required for decorating are ambient and substrate temperatures between +5 °C and +30 °C and a relative ambient humidity lower than 80%.

Leave at least 12 hours between the first and second coats.

Do not apply when the substrate is directly exposed to sunlight. After application, outdoor surfaces must be protected against rain and humidity until the film has dried completely, which normally occurs after approximately 48 hours .

In cases where different lots of coloured product are used, or when completing a job in which a tintometer has been used, it is advisable to mix the various quantities together so as to avoid slight differences in tone. Always restart application from a corner.

Cleaning

Residual traces of Kerakover Eco Silox 1,2 can be removed from tools using water before the product hardens.

ABSTRACT

Protection and decoration of internal and external surfaces and of panelling systems, involving application using a steel float and finishing using a plastic spreader of a high coverage, highly breathable mineral base using water-based, acrylic-siloxane resins providing protection from atmospheric agents, pollution, bacteria, fungi and algae, such as Kerakover Eco Silox 1,2 by Kerakoll Spa, compliant with the performance requirements of Standard CE EN 15824, GreenBuilding Rating® Eco 3. Permeability to water vapour class V1 (high) under EN ISO 7783-2, permeability to liquid water class W3 (low) under EN 1062-3, adhesion ≥ 0.3 MPa under EN 1542, thermal conductivity (λ) 0.83 W/mK under EN 1745:2002.

SPECIAL NOTES

The colours shown in the sample charts are indicative and not binding. We therefore recommend testing the product onsite to check the exact colour and coverage that will be obtained.

Subsequent supplies of product with the same colour code might show slight differences in shade. Always make sure you purchase a sufficient quantity to complete the work you are doing. When re-ordering the product, always indicate the batch code for the original supply.

For bright or intense shades, always evaluate their sensitivity to ultraviolet light, as indicated in the reference colour chart and in our GreenDesign software. This information is also provided in the documentation enclosed with the product samples, or in the documentation produced by the colour measurement department when sending the formulations requested.

Evaluate seasonal application conditions (different temperature and humidity conditions result in significant differences in paint drying and/or reaction times).

Arrange for appropriate protective coverings for scaffolding and always protect surfaces where the paint product will not be applied.

When applying the paint product to large surfaces, the application must stop in the vicinity of joints or guttering.

Surfaces affected by capillary moisture rising must be treated first with a dehumidifying cycle.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	white or coloured paste
Volumetric mass	$\approx 1,7$ kg/ℓ
Chemical nature	acrylic-siloxane emulsion
Shelf life	≈ 18 months in the original packaging
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat
Pack	25 kg buckets
Temperature range for application	from +5 °C to +30 °C
Humidity of the substrate	$\leq 6\%$
Waiting time between subsequent coats	≥ 12 hrs
Maximum thickness per layer	$\approx 1,2$ mm
Coverage per single coat	$\approx 2,1$ kg/m ²

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

PERFORMANCE

HIGH-TECH

Permeability to water vapour	class V1 (high)	EN ISO 7783-2
Permeability to water in liquid form	class W3 (low)	EN 1062-3
Respects the Kuenzle theory	$w < 0,5 \text{ kg /m}^2 \cdot \text{h}^{0,5} - S_p < 2 \text{ m}$	DIN 18550
Adhesion	$\geq 0,3 \text{ MPa}$	EN 1542
Thermal conductivity (λ)	0,83 W/mK	EN 1745:2002

Values taken at $+20 \pm 2 \text{ }^\circ\text{C}$, $65 \pm 5\% \text{ R.H.}$ 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
- use at temperatures between $+5 \text{ }^\circ\text{C}$ and $+30 \text{ }^\circ\text{C}$
- make sure the substrate is not frozen
- protect surfaces from direct sunlight and wind
- do not use additives
- protect all painted surfaces from rain and strong humidity during the first 48 hours following application
- 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 Eco and Bio classifications refer to the GreenBuilding Rating® Manual 2013. This information was last updated in November 2013 (ref. GBR Data Report - 12.13); 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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