

# Kerakover Eco Kompact

**Eco-friendly, organic, fibrous, mineral covering, completely coloured, based on water-based acrylic-siloxane resins and waterproofing siloxanes, ideal for use in GreenBuilding. Product specifically for use in the Kerakoll Panelling system with European Technical Approval - ETA - under EAD 040083-00-0404. Solvent-free, safeguards the health of both operators and the environment.**



Kerakover Eco Kompact creates high-thickness decorative coverings that are resistant to algae and atmospheric agents, compatible with insulation panelling systems. Flexible, with excellent workability, used to create compact effect closed surfaces. Available in three grain sizes: extra-fine, fine and medium.



**GREENBUILDING RATING®**

**Kerakover Eco Kompact**  
 - Category: Organic Mineral products  
 - Protection and decoration

Rating based on average colour formulations

**rating 4**

- Natural mineral content 71%
- Solvent-free
- No environmental hazard rating
- Non-toxic and non-hazardous

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

**PRODUCT STRENGTHS**

- Available in three grain sizes: extra-fine, fine and medium.
- Resistant to attack from mould, algae and fungi
- Compact effect
- High levels of resistance to atmospheric conditions
- Fine, superior quality finish
- Fiber-reinforced
- Suitable for insulation systems
- Product in the KlimaExpert ETA system
- Easy to apply



**ECO NOTES**

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

**AREAS OF USE**

**Use**  
 Kerakover Eco Kompact is suitable for:

- new cured renders
- old renders that are well anchored to the masonry substrate
- cement conglomerate elements
- prefabricated concrete elements:
- surfaces with synthetic or mineral finishes, all in good condition
- thermal insulation panelling system
- KlimaExpert ETA systems
- gypsum-based surfaces, provided they are suitably prepared
- plasterboard

**Cool Colors Solar-Scud**  
 Kerakover Eco Kompact can be painted in the 69 colour shades of the Cool Colors Solar-Scud chart. Colours are formulated using special heat-reflecting pigments; they reflect much of the incoming solar radiation, thus remaining cooler and contributing to solve problems related to overheating of opaque vertical walls despite their intense colouring.

The Cool Colors Solar-Scud range of finishes is the intelligent way of decorating the outer surfaces of buildings, making them highly reflective without foregoing strong colours; they have been designed for every type of intervention on:

- ETICS thermal insulation panelling systems compliant with the Italian Technical Report UNI/TR 11715
- decoration of façades without thermal insulation panelling systems
- repair of old façades
- maintenance of old thermal insulation panelling systems

**Do not use**  
 In the presence of rising damp.

\* 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

The instructions for use for applications in heat-insulating systems refer, where required, to the Italian Technical Report UNI / TR 11715 "Heat-insulating products for buildings - Design and installation of external heat-insulating systems (ETICS)".

### Preparation of substrates

Clean the various types of substrate carefully using suitable equipment to remove all traces of dirt, dust or efflorescence.

If necessary, apply the Kerakover Eco Acrilex Primer water-based primer on the surface to consolidate, even out absorption, and improve the adhesion of the next decorative cycle.

In Klimaexpert insulating panelling systems, use Kerakover Acrilex Fondo.

Kerakover Eco Acrilex Primer and Kerakover Acrilex Fondo base coat may be coloured by adding up to 20% of Kerakover Quarzite or Kerakover Eco Kompact Pittura to obtain a coloured base before application of Kerakover Eco Kompact.

If an additional consolidating effect is required, apply one or more coats of Kerakover Acrilex Consolidante solvent-based stabilizing agent. In this case samples should be done in advance to verify the level of consolidation and absorption achieved. Newly laid renders must be perfectly cured. New render patch layers must be left to cure, i.e. until the bonding agent has set.

Remove all sections of partially deteriorated synthetic or mineral-based paint coatings and coverings that are fragmenting or separating from the substrate.

In the presence of deposits of mould or biodeteriorating agents, repair first with the Kerakover Activ product.

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

Kerakover Eco Kompact is ready-to-use. Always mix the product again before application, using a low-speed helical mixer. If the product is particularly tacky it is possible to add up to a maximum of 2% by weight of water to achieve optimum viscosity.

### Application

Kerakover Eco Kompact must be applied using a steel float 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 float.

The product must be applied with a stainless-steel spreader or trowel and finished with a plastic spreader. Iron spreaders may release traces of metal; over time and in case of bad weather, they may show signs of oxidation on the façade, altering the aesthetic appearance of the decorated surfaces.

Conditions required for decorating are ambient and substrate temperatures between +5 °C and +30 °C and relative humidity lower than 80%.

The product must be applied after the render has been cured for approximately 4 - 5 weeks.

If application in several layers is necessary, wait for a minimum of 12 hours between subsequent layers, or make sure that the film has dried completely.

Do not apply when the substrate is directly exposed to sunlight.

Always restart application from a corner.

After application, external surfaces must be protected from rain and moisture for 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.

### Cleaning

Residual traces of Kerakover Eco Kompact can be removed from tools using water before the product hardens.

## 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.

Clean and wash carefully the scaffolding boards, and eliminate any trace of surface dirt before applying the coloured covering. In case of wind or rain, dust, traces of ferrous metals or residues from the building site may be projected onto the still fresh decorated surface and stain it; stains can no longer be removed after the fine plaster has dried.

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.

In misty conditions and when the substrate presents a high degree of environmental moisture, yellowish/transparent, slightly shiny and sticky droplets could form after application of the product; they are caused by the water-soluble surfactants present in the product. This phenomenon can be eliminated by washing the walls or simply waiting for repeated rain. The characteristics of the film and the degree of protection are not altered by this phenomenon. Should a further application of the product be carried out, it will be necessary to thoroughly wash the walls, and apply a preventive coat of Kerakover Acrilex Fondo. This phenomenon does not occur in stable climatic conditions. High environmental humidity, condensation and the roughness of the substrate may encourage deposits of dust, spores and other nutrient sources and generate surface growth of micro-organisms that might modify the aesthetics of the finish.

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 moisture conditions result in significant differences in paint drying and/or reaction times).

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.

Colours made with the special Cool Colors Solar-Scud pigments are available exclusively from the Kerakoll production site and can be ordered using the codes shown in the "Heat-reflecting finishes for external use" colour chart, referring to the dedicated price range.

## ABSTRACT

*Extra fine: Protection and decoration of internal and external surfaces, involving application using a steel float and finishing using a plastic spreader of a compact effect, fibrous, mineral covering based on acrylic resins and hydrophobic siloxanes, providing high protection from atmospheric agents, pollution, bacteria, fungi and algae, such as Kerakover Eco Kompact by Kerakoll Spa, GreenBuilding Rating® 4, compliant with the performance requirements of Standard EN 15824. Permeability to water vapour class V2 (medium) under EN ISO 7783-2. Permeability to liquid water class W3 (low) under EN 1062-3. Adhesion  $\geq 0.3$  MPa under EN 1542. Thermal conductivity ( $\lambda$ ) 1,20 W/(m K) under EN 1745:2002. Painted in the 69 colour shades of the Cool Colors Solar-Scud chart, Kerakover Eco Kompact is formulated using special heat-reflecting pigments; they reflect much of the incoming solar radiation, thus remaining cooler and contributing to solve problems related to overheating of opaque vertical walls despite their intense colouring.*

*Fine and Medium: 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 compact effect, fibrous, mineral covering based on acrylic resins and hydrophobic siloxanes, providing high protection from atmospheric agents, pollution, bacteria, fungi and algae, such as Kerakover Eco Kompact by Kerakoll Spa, GreenBuilding Rating® 4, compliant with the performance requirements of Standard EN 15824. Kerakover Eco Kompact fibrous mineral covering is part of the KlimaExpert ETA systems with European Technical Approval - ETA - according to EAD 040083-00-0404. Permeability to water vapour class V2 (medium) under EN ISO 7783-2. Permeability to liquid water class W3 (low) under EN 1062-3. Adhesion  $\geq 0.3$  MPa under EN 1542. Thermal conductivity ( $\lambda$ ) 1,20 W/(m K) under EN 1745:2002. Painted in the 69 colour shades of the Cool Colors Solar-Scud chart, Kerakover Eco Kompact is formulated using special heat-reflecting pigments; they reflect much of the incoming solar radiation, thus remaining cooler and contributing to solve problems related to overheating of opaque vertical walls despite their intense colouring.*

## TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	white or coloured paste
Volumetric mass	$\approx 1.7$ kg/ℓ
Chemical nature	acrylic resins
Shelf life	$\approx 18$ months from production in the original sealed packaging
Warning	protect from frost, avoid direct exposure to sunlight and sources of heat
Pack	25 kg buckets
Temperature range for application	between +5 °C and +30 °C with relative humidity < 80%
Humidity of the substrate	$\leq 6\%$
Waiting time between subsequent coats	$\geq 12$ hrs
Maximum thickness per layer	$\approx 0.7$ mm (Extra-fine) - $\approx 1.2$ mm (Fine) - $\approx 1.5$ mm (Medium)
Coverage per single coat	$\approx 1.5$ kg/m <sup>2</sup> (Extra-fine) - $\approx 2.1$ kg/m <sup>2</sup> (Fine) - $\approx 2.4$ kg/m <sup>2</sup> (Medium)

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

## PERFORMANCE

<b>HIGH-TECH</b>		
Permeability to water vapour	class V2 (medium)	EN 7783
Permeability to water in liquid form	class W3 (low)	EN 1062-3
Respects the Kuenzle theory	$w < 0,5$ kg /m <sup>2</sup> ·h <sup>0,5</sup> – S <sub>0</sub> < 2 m	DIN 18550
Reaction to fire	Class B-s2, d0	EN 13501-1
Cool Colors Solar-Scud (KIR01- KIR69)	SRI $\geq 20$	

*Values taken at +20 ± 2 °C, 65 ± 5% 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
- for the protection of KlimaExpert heat-insulating panelling systems, do not use Kerakover Eco Kompact Extrafine
- use at temperatures between +5 °C and +30 °C and humidity lower than 80%
- make sure the substrate is not frozen
- protect surfaces from direct sunlight and wind
- protect all painted surfaces from rain and high moisture 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](mailto:globalservice@kerakoll.com)

The Rating classifications refer to the GreenBuilding Rating® Manual 2013. This information was last updated in November 2020 (ref. GBR Data Report - 1220); please note that additions and/or amendments may be made over time by KERAKOLL SpA, for the latest version, see [www.kerakoll.com](http://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**  
The GreenBuilding Company

KERAKOLL S.p.a.  
Via dell'Artigianato, 9 - 41049 Sassuolo (MO) Italy  
Tel +39 0536 816 511 - Fax +39 0536 816 581  
[info@kerakoll.com](mailto:info@kerakoll.com) - [www.kerakoll.com](http://www.kerakoll.com)