Kerakover Silox Pittura

Organic, mineral paint, based on water-based acrylic-siloxane resins, with anti-biodeteriorating additives, high coverage and matt effect finish.

Kerakover Silox Pittura is a super-washable, highly breathable product offering excellent protection against environmental aggression, pollution, bacteria, fungi and algae. Resistant to abrasion and UV rays. Internal, external.

GREENBUILDING RATING
REF. GBR DATA REPORT 09.23
APPROVED

Rating 1

- × Regional Mineral ≥ 30%
- × VOC Low Emission
- × Solvent ≤ 5 g/kg
- × Low Ecological Impact
- ✓ Health Care

Rating based on average colour formulations

1. Highly breathable
2. Excellent coverage properties
3. Fine quality finish with a velvety effect
4. Resistance to atmospheric agents
5. Specifically intended for use in particularly aggressive environments
6. Ideal for dehumidifying and traditional plasters/renders, levelling coats, concrete, plasterboard and gypsum
7. High coverage
8. Easy to apply with a brush, roller or spray
9. Low dirt collection, self-cleaning

kerakoll

Areas of application

→ Use
Protective and waterproofing decoration of:
- dehumidifying renders
- new cured renders
- old renders that are well anchored to the masonry substrate
- compact surface concrete structures
- surfaces with synthetic finishes, paint or plastic coatings, all in good condition

For internal and external use.

Cool Colors Solar-Scud
Kerakover Silox Pittura 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 facades without thermal insulation panelling systems
- repair of old facades
- maintenance of old thermal insulation panelling systems

Do not use for the containment or continuous contact with water. On walls subject to rising damp without prior application of dehumidifying renders.

Instructions for use

→ Preparation of substrates
Surfaces to be decorated must be dry, well cured and perfectly clean; all weakened parts, any layers of old paint which have begun to peel, dust and traces of release agents must be removed. In the presence of moss, lichen and algae deposits, treat the surface beforehand with Kerakover Activ then wash with a high-pressure washer 24 hours later. On old and new powdery substrates, apply one coat of Kerakover Silox Primer approximately 12 hours before the decorative cycle.
First apply Kerakover Silox Fondo when micro-cracking are present or in case of partial repairs.
On old and/or previously painted substrates: clean very carefully using mechanical equipment and/or suitable chemicals, and remove any peeling paint coatings. Apply a coat of Kerakover Silox Primer hydrophobic water-based stabilizing agent.
On porous substrates needing deep consolidation, such as bare plaster or with old lime-based paint coatings, use Kerakover Acrilex Consolidante primer.
Following this, apply the siloxane decorative cycle with Kerakover Silox Pittura.
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
Always remix Kerakover Silox Pittura before applying.

→ Application
Apply two coats of Kerakover Silox Pittura carefully across the entire surface using a brush, roller or spray; the first and second coats should be diluted with water by up to 20-30% of the total volume depending on requirements and the tools used. Only apply to very dry surfaces that have a moisture content of no more than 6%. 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, external surfaces must be protected against rain and humidity until the film has dried completely.
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

Instructions for use

slight differences in tone.
When using particularly bright colours, always apply a base coat of the same shade to achieve even coverage. In order to avoid colour differences when resuming jobs, special care must be taken when carrying out decorations over full backgrounds.

→ Cleaning
Residual traces of Kerakover Silox Pittura can be removed from tools using water before the product hardens.

Special notes

→ The colour chart is provided as a general indication only. We therefore recommend testing the product onsite to check the exact colour that will be obtained.
→ 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.
→ Do not use Kerakover Silox Pittura to decorate and waterproof the inner surfaces of fountains, decorative tanks, and the outer surface of cornices.
→ On intense shades, it is recommended to apply the product without interruption, wet on wet, in order to avoid signs of recoating.
→ Touch-ups may vary depending on various factors and may be visible even after the product has dried.
→ On dark colours a blackboard effect may be visible when fingers are rubbed on the wall after the product has dried completely.
→ High environmental humidity, condensation and roughness of the support can favour the deposit of dust, spores and other sources of nourishment; they may generate the surface growth of micro-organisms.
→ Surfaces affected by rising damp must be treated first with a dehumidifying cycle.
→ 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 Silox Fondo. This phenomenon does not occur in stable climatic conditions.
→ 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.

Certificates and marks

** 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).*

Abstract

Protection and decoration of internal and external surfaces, applied using a brush, roller or spraying equipment, of a high-coverage paint using siloxane binders dispersed in water solution, highly breathable and protective against atmospheric agents, pollution, bacteria, fungi and algae, with micronized fillers, and light resistant pigments such as Kerakover Silox Pittura by Kerakoll Spa, GreenBuilding Rating 1. Wash resistance to >10,000 cycles according to UNI 10560, with permeability to water vapour class V1 (High) according to EN ISO 7783-2, with permeability to excess water class W3 (low) according to EN1062-3. Painted in the 69 colour shades of the Cool Colors Solar-Scud chart, Kerakover Silox Pittura 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 paint	
Volumetric mass	≈ 1.49 kg/l	
Chemical nature	siliceous polymers	
Shelf life	≈ 18 months from production in the original sealed packaging, protect from humidity	
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat	
Viscosity	≈ 48000 cps, rotor 6 RPM 10	Brookfield method
Pack	buckets 14 l – 4 l	
Temperature range for application	from +5 °C to +30 °C	
Humidity of the substrate	≤ 6%	
Waiting time between 1st and 2nd coat	≥ 12 h	
Dilution with water	20 – 30% by volume	
Touch-dry	≤ 1 h	
Coverage when applying two coats for a fine-texture, two-coat finish	≈ 0.15 – 0.2 l/m²	

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		
Resistance to washing	> 10,000 cycles	UNI 10560
Permeability to water vapour	class V1 (high)	EN 7783
Permeability to water in liquid form	class W3 (low)	EN 1062-3
Respects the Kuenzle theory	$w < 0.5$ kg /m²·h^{0,5} – $S_D < 2$ m	DIN 18550
Cool Colors Solar-Scud (KIR01- KIR69)	IR ≥ 20	

Values taken at +20 °C, 65% 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 °C and +30 °C
→ make sure the substrate is not frozen
→ protect surfaces from direct sunlight and wind
→ do not add binders or additives
→ 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

Kerakoll Spa
via dell'Artigianato 9
41049 Sassuolo - MO

+39 0536.816.511
info@kerakoll.com

www.kerakoll.com