Kerakover Acrilex Flex

Organic mineral water-based elastomeric resin paint.

Kerakover Acrilex Flex is a super-washable, matt finish product that eliminates cracks and guarantees excellent elasticity, high resistance to algae, fungi, mould and atmospheric agents. Specifically intended for EN 1504-2 compliant concrete.

1. High elasticity
2. Eliminates micro-cracks
3. Anti-carbonation
4. Internal, external
5. Resistant to attack from mould, algae and fungi

GREENBUILDING RATING
REF. GBR DATA REPORT 07.23
APPROVED

Rating 1

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

Rating based on average colour formulations

kerakoll

Areas of application

→ Use
Protective decoration of:
- concrete structures and infrastructures and restored elements with Kerabuild Eco mortars and finishing products
- front sections of balconies and cornices
- facades of residential, commercial and industrial buildings
- cement-lime mortar renders or equivalents
- for the protection of reinforcement systems created using Geolite Gel matrix

Elastic covering also suitable for substrates subject to micro-cracking. For internal and external use

Cool Colors Solar-Scud
Kerakover Acrilex Flex 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.
In the presence of capillary rising damp.

Instructions for use

→ Preparation of substrates
Surfaces to be treated must be perfectly cleaned by removing all weakened parts, any layers of old paint which have begun to become detached, dust and traces of parting compound. 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. Cleaning must be carried out with wire brushes and scrapers, until patching layers which are non-cohesive with the substrate to be painted have been totally eliminated. Better results can be obtained with sandblasting, hydro-sanding or cleaning with a high-pressure washer.
On old and new powdery substrates, always apply one or two coats of water-based Kerakover Acrilex Primer to improve surface adhesion or solvent-based Kerakover Acrilex Consolidante for the deep consolidation of substrates.
First apply Kerakover Acrilex Fondo when micro-cracking are present or in case of partial repairs.
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 the product before application. Kerakover Acrilex Flex must be diluted, by up to a maximum of 10%, according to the type of support and tools being used.

→ Application
Kerakover Acrilex Flex must be applied carefully in two coats over the entire surface, with a brush, roller or spraying equipment, on substrates which are perfectly dry or with a humidity level not greater 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%.
Wait at least 12 hours between coats or in any case, check that the film has fully dried.
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

Instructions for use

avoid slight differences in tone. Always restart application from a corner.
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 Acrilex Flex can be removed from tools and covered surfaces 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 and coverage 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.
→ 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.
→ 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.
→ 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 guaranteed durability decoration of concrete surfaces, cement-based mortars and renders, by application using a brush, roller or spray of high-coverage, mineral paint using water-based elastomeric resins that provide a high level of elasticity such as Kerakover Acrilex Flex by Kerakoll Spa, that is CE-marked and compliant with the performance requirements of Standard EN 1504-2 coatings (C), GreenBuilding Rating 1 of class A3 (Static Crack Bridging according to EN 1062-7). Painted in the 69 colour shades of the Cool Colors Solar-Scud chart, Kerakover Acrilex Flex 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	≈ 1.39 kg/l	
Chemical nature	Elastomeric acrylic resin	
Shelf life	≈ 18 months from production in the original sealed packaging	
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat	
Pack	14 l / 4 l buckets	
Viscosity	≈ 32000 cps, rotor 5 RPM 10	Brookfield method
Temperature range for application	from +5 °C to +30 °C	
Humidity of the substrate	≤ 6%	
Waiting time between 1st and 2nd coat	≥ 12 h	
Dilute with water between 1st and 2nd coat	max 10% by volume	
Touch-dry	≤ 1 hr	
Coverage when applying two coats for a fine-texture, two-coat finish	≈ 0.3 – 0.35 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			
DFT performance characteristic achieved with a coverage equal to ≈ 0.3-0.35 l/m²	**Test Method**	**Requirements of EN 1504-2 (C)**	**Performance Kerakover Acrilex Flex**
Carbon dioxide permeability	EN 1062-6	s_D (CO_2) > 50 m	s_D > 50 m
Permeability to water vapour (S_D)	EN ISO 7783	Reference class	class I < 5 m
Capillary absorption and water permeability	EN 1062-3	W ≤ 0.1 kg/m² $h^{-0,5}$	W ≤ 0.1 kg/m² $h^{-0,5}$
Bond strength by pull off	EN 1542	≥ 0.8 N/mm²	≥ 0.8 N/mm²
Reaction to fire	UNI EN 13501-1		B-S1, d0
DFT performance characteristic achieved with a coverage equal to ≈ 0.3-0.35 l/m²	**Test Method**	**Requirements of EN 1062-1**	**Performance Kerakover Acrilex Flex**
Permeability to water vapour	EN 7783	Reference class	class V2 (medium)
Permeability to water in liquid form	EN 1062-3	Reference class	class W3 (low)
Respects the Kuenzle theory	DIN 18550	w < 0.5 kg/m²·$h^{0,5}$ – S_D < 2 m	Compliant

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

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