

# Patina®

Highly breathable, naturally bacteriostatic and fungistatic 'worn-out' look plaster, ideal for use in GreenBuilding.

Eco-friendly, breathable and bacteriostatic coloured mineral finish with a pure potassium silicate base. Hand-laid with a spreader, it creates a refined coating with natural tonal variations. For internal use, in domestic and commercial environments. For walls and vertical surfaces.



## GREENBUILDING RATING®

rating 4



Natural mineral content 50%



Solvent-free



No environmental hazard rating



Non-toxic and non-hazardous



RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

## PRODUCT STRENGTHS

- Decorate the walls with fascinating appeal
- High aesthetic quality, texture soft to the touch
- Naturally breathable, allows walls to breath
- Natural bacteriostatic and fungistatic classified B+ e F+ (CSTB method)
- Non-toxic, in compliance with standard EN 71-3
- Easily workable
- Ready-to-use

## AREAS OF USE

### Use

Continuous decorative grout for:

- cement-based plasters treated with Patina® Base
- cement-lime mortar plasters treated with Patina® Base
- common and hydraulic lime-based plasters treated with Patina® Base
- gypsum-based plasters primed with Primer A Eco and treated with Patina® Base
- plasterboard primed with Primer A Eco and treated with Patina® Base
- prefabricated cement conglomerate elements treated with Patina® Base
- cementitious and gypsum-based finishing products treated with Patina® Base
- common and hydraulic lime-based finishing layers treated with Patina® Base
- existing ceramic, glass mosaics, well anchored natural stone coverings, smoothed with Wallzero® structural support and treated with Patina® Base
- coverings or furniture finished with multi-layered wood panels, MDF, HDF

Internal use in domestic, commercial and industrial environments.

### Do not use

On substrates which are dirty, non-cohesive, powdery. In environments subject to occasional or prolonged contact with water or liquids. On previous paint coats or lime putty coverings. On substrates with a lot of interstitial salt deposits. On humid substrates (or substrates subject to moisture rising).

## INSTRUCTIONS FOR USE

### Preparation of substrates

The substrate must be cured, clean and solid, free from loose debris, dust and mould. The new plasters/renders must be appropriately scratched and smoothed with suitable finishing product. Old plaster/render must adhere to the masonry structure and must be damage-free, dry, carefully cleaned to remove remaining traces of previous processes (lime putty coverings, old finishing coats, etc.) and if necessary also finished using suitable products according to the level of finish and smoothness of the plaster/render.

**Substrates on traditional plasters/renders:** the substrate must be dry and must have undergone its normal hygrometric shrinkage. The substrate must be clean and solid, free from loose debris, dust and mould. Old plasters must be dry, in good condition, compact and cleaned carefully to remove any remaining traces of previous processes (lime putty coverings, old finishing coats, etc...). Scratch off the surfaces of new plaster coats with a metal scraper to remove the surface cement slurry, to make it easier to then lay the finish layer without air bubbles forming. Before conducting the finishing process, prime the substrate with Patina® Base diluted 20% by volume with water.

Wait 12 hours for the subsequent application of Patina®.

\* 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

**Gypsum and anhydrite-based substrates:** gypsum-based plasters/renders must have a  $\leq 1\%$  residual moisture measured with a calcium carbide hygrometer. Follow the manufacturer's instructions. Check that the base has been applied in a single layer, without fine finishing coats, as these may be imperfectly anchored and therefore unsuitable for laying. Apply with a roller or brush a coat of Primer A Eco diluted 1 : 4 in water, wait at least 4 hours and prime the substrate with Patina® Base diluted 20% by volume with water. Wait 12 hours for the subsequent application of Patina®.

**Wood panelling, multilayer or MDF:** before conducting the finishing process, prime the substrate with Patina® Base diluted 20% by volume with water. Wait 12 hours for the subsequent application of Patina®.

**Fibre-cement panelling:** before conducting the finishing process, prime the substrate with Patina® Base diluted 20% by volume with water. Wait 12 hours for the subsequent application of Patina®.

**Previous ceramic coatings:** smooth with a diamond disc in order to abrade the surface layer removing any contamination and giving a porous surface. Apply the Wallzero® structural support in two coats, include Net 90 reinforcing mesh in the first coat, adjusting the covering. Apply a thickness from 2 – 12 mm (per coat). Make sure that the texture of the existing coat and that of the Net 90 reinforcing mesh are perfectly filled and smoothed. Wait until completely cured before overlying. Before conducting the finishing process, prime the substrate with Patina® Base diluted 20% by volume with water. Wait 12 hours for the subsequent application of Patina®.

**Correct depth and planarity (if necessary):** refurbish any uneven substrate or correct its depth to restore the Wallzero® structural support to a thickness of 2 – 12 mm (per layer). Wait until completely cured before finishing. Prime the substrate with Patina® Base diluted 20% by volume with water. Wait 12 hours for the subsequent application of Patina®.

### Preparation

Ready-to-use. Remix the product inside the container to ensure the mixture is of an even consistency.

### Application

Apply two or more coats with a stainless steel rounded spreader, do not add water to the product during application. Spread the first layer homogeneously and uniformly with a coverage of  $\approx 1.3 \text{ kg/m}^2$ . Wait until the first layer is dry ( $> 6$  hours) and apply the second layer, smoothing the product and maintaining the grain size of inert fillers at a coverage of  $\approx 0.5 \text{ kg/m}^2$ . When applying the second coat on large surfaces we suggest you spray a small amount of water onto the first coat, to increase workability and decrease joints (take care not to use too much water so that rivulets are formed). When the product reaches the plastic phase sand the wall to obtain a solid surface. After 24 hours, light sanding with 240 grain sandpaper is recommended, in order to remove any small imperfections and to render the surface pleasing to the touch. Remove dust from the surface with a dry paintbrush, vacuum or a cotton cloth before applying Patina® Finish.

### Cleaning

Patina® is a natural product and tools can be cleaned using water before the product hardens.

## SPECIAL NOTES

Apply Patina® at temperatures from  $+10^\circ\text{C}$  to  $+30^\circ\text{C}$  and relative ambient humidity lower than 80%.

Particular care must be taken when carrying out decorations over full backgrounds. Avoid interruptions between scaffolding levels or on large continuous surfaces.

It is recommended that the rooms be well aired for a few days after application, to promote hardening of the binder by silication.

Given the purity of the Patina® formula and its high alkalinity, adjacent surfaces must be protected during application.

Contact with silicate products can damage urban furniture and glass, ceramic, natural stone, terracotta and metals.

Any splashes of product must be removed immediately with clean water.

The photographic images in the Kerakoll Design House catalogue and on the [www.kerakolldesignhouse.com](http://www.kerakolldesignhouse.com) site as well as the colour chart samples provided are for general indication only.

The Kerakoll Design House surfaces in different materials have different tone, saturation, and lightness. Use material from a single production batch for each project.

Materials coming from different batches may have variations in tonality and colour.

The surface Texture of Kerakoll Design House is characterised by marbling, discontinuous material vibrations, and natural irregularities resulting from handmade craftsmanship that is carried out during implementation.

## ABSTRACT

*Highly breathable, naturally bacteriostatic and fungistatic, natural "old-look" plaster obtained by finishing using eco-friendly, non-toxic mineral in paste form, according to standard EN 71-3, naturally bacteriostatic and fungistatic, classified B+ and F+ (CSTB method), GreenBuilding Rating® 4 composed of naturally coloured earth and pure potassium silicate Patina®, by Kerakoll Spa. On a substrates treated with Patina® Base, apply two or more coats of Patina® using a metal spreader, depending on the roughness of the support, and smoothing the second one until the desired aesthetic effect is obtained. Patina® coverage  $\approx 1.8 \text{ kg/m}^2$  for two coats.*

## COLOURS



## TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	coloured paint (WR01 – WR10)
Chemical nature of binder	pure potassium silicate/organic emulsion ≤ 5% <span style="float: right;">DIN 18363</span>
Shelf life	≈ 6 months in the original packaging
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat
Pack	15 kg buckets
Temperature range for application	from +10 °C to +30 °C
Maximum thickness obtainable per coat	1.2 mm
pH on packaging	≈ 12
Volumetric mass (specific weight) at +20 °C	≈ 1.7 kg/ℓ
Cortical silication	≈ 15 days per mm of thickness
Coverage on finely smoothed support	≈ 1.8 kg/m <sup>2</sup> for two coats

*Values taken at +20 ± 2 °C, 65 ± 5% R.H. and no ventilation. Data may vary depending on specific conditions at the building site.*

## PERFORMANCE

### HIGH-TECH

Conformity	Compliant	EN 15824
Non-toxic	Compliant	EN 71-3
Permeability to water vapour	class V2 (good)	EN ISO 7783-2
Permeability to water in liquid form	class W3 (low)	EN 1062-3
Adhesion	≥ 0.3 MPa	EN 1542
Washability	> 1000 brush strokes (resistant to washing)	UNI 10560
<b>BIOACTIVE INDOOR AIR QUALITY (IAQ) - BACTERIOSTATIC ACTION *</b>		
<i>Enterococcus faecalis</i>	Class B+ no proliferation	CSTB method
<b>BIOACTIVE INDOOR AIR QUALITY (IAQ) - FUNGISTATIC ACTION *</b>		
<i>Penicillium brevicompactum</i>	Class F+ no proliferation	CSTB method
<i>Cladosporium sphaerospermum</i>	Class F+ no proliferation	CSTB method
<i>Aspergillus niger</i>	Class F+ no proliferation	CSTB method

*Values taken at +20 ± 2 °C, 65 ± 5% R.H. and no ventilation. Data may vary depending on specific conditions at the building site.*

*\* Tests carried out according to CSTB method, bacterial and fungal contamination*

## WARNING

- **Product for professional use**
- abide by any standards and national regulations
- use at temperatures between +10 °C and +30 °C
- apply on dry substrates
- do not add binders or additives
- protect from direct sunlight and currents of air for the first 6 hours
- do not apply on dirty or loose surfaces
- dispose of as indicated in applicable legislation
- protect any surfaces and objects in the application area from accidental contact with the product
- 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 April 2020 (ref. GBR Data Report - 05/20); 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.



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