

Patina Minerale

Silicate colour wash for indoor and outdoor mineral substrates.

DESCRIPTION OF THE PRODUCT

Patina Minerale is a transparent vehicle, with colloidal silica base, appropriately modified with organic binders and special water-repellents.

Patina Minerale is ideal on mineral substrates such as **CalceCruda**.

The chromatic effect resembles the antique colour washes typical of the mineral systems, with the possibility of obtaining tones and shades of colour on the basis of the techniques and the colours applied.

The particular formulation of **Patina Minerale** allows high vapour permeability to be obtained, associated with good resistance to UV rays and atmospheric agents.

Patina Minerale represents the expression of Novacolor "**Green Approach**". To reduce the "carbon footprint", **Patina Minerale** is formulated with a special binder. Based on a "**mass balance approach**" fossil raw materials in production are replaced with sustainable biomass.

Patina Minerale represents the expression of Novacolor commitment to the environmental sustainability. To reduce the "carbon footprint", **Patina Minerale** is formulated with a special binder, made from sustainable biomass, that replaces the fossil raw materials.

This is possible thanks to a technical-productive system called "mass balance approach" certified REDcert².

APPLICATIONS

Applicable to mineral substrates:

- New and old hydraulic binder-based plaster.
- Old paints and mineral coatings, dry, compact, absorbent and cohesive.
- Various absorbent mineral conglomerates.

Not applicable on:

- Old organic paints (washable or quartz-based paints).
- Concrete surfaces because, owing to its high permeability, the product has no protective power against the aggression of carbon dioxide; the main cause of degradation of concrete.

IDENTIFICATION FEATURES

Nature of the binder: potassium silicate stabilised with binding agent polymeric dispersion based (fossil resources replaced with sustainable biomass based on "**mass balance approach**")

Bulk density:

Patina Minerale: 1.15 +/- 0.05 g/ml

Drying (at 25°C and 65% R.H.): to the touch in one hour; can be over-coated after 4-6 hours.

REDcert² certified product: fossil resource saving product by using renewable raw materials in the value chain.

PERFORMANCE CHARACTERISTICS

Reduction of the formaldehyde concentration:

ISO 16000-23 (tested at Eurofins Denmark, report 392-2016-00026301): value >80%.

Duration of the process does not last forever as this property is strictly linked on the environmental conditions.

DILUTION

Patina Minerale: dilute from 20% to 300% with water.

WARNINGS

Mix the material thoroughly before tinting and before application. Do not apply on fresh/new and essentially alkaline substrates; wait for a maturation period with general duration of 4 weeks. Do not apply in the presence of rising damp.

Application on concrete surfaces has a decorative function.

PREPARATION OF THE SUBSTRATE AND APPLICATION

(Reference environmental conditions T=25°C, RH=60%)

The surface must be dry and have no dust and mineral salt spots. If necessary, restore or consolidate the substrate using specific products.

Treat the surface with appropriate products if there is any mould. Remove any salt bloom and any flaking old paint by brushing or washing.

Completely eliminate any raised layers of lime-based or tempera paint. Remove the dust, smog or other deposits by brushing.

In the presence of non-cohesive and crumbling substrates, apply a layer of **Decofix** (micronized wall primer) using a brush. For solid, non-crumbling substrates, a layer of diluted **Acricolor** (acrylic water based sealer) or **Novaprimer** (water-based pigmented acrylic sealer) can be applied using a brush.

Wait for the base coat to dry completely and apply a layer of diluted **Patina Minerale** using a sponge or woollen glove; work the surface depending on the effect desired.

For aesthetic or site reasons, a second layer of **Patina Minerale** can be applied as described above.

Drying time: approx. 24 hours depending on the type of substrate, its absorption and the environmental conditions.

Pay attention to the different degree of absorption and roughness of the surface; it may vary the perception of the colour.

PRECAUTIONS

The material must be protected from freezing and thermal shocks throughout the entire application process.

Do not apply when air, substrate and product temperatures are below +5°C or above +35°C, or in direct sunlight, or on hot surfaces (even if already in the shade). Environment humidity must be < 75%; the humidity of the substrate must be < 10%.

It is recommended to finish the job using the same production batch. If different batches are used, we recommend mixing different batches together in order to avoid slight colour differences.

Technical data sheet: Patina Minerale

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The application of **Patina Minerale** outdoors, means light colours must be selected and the use of outdoor-resistant colorants.

After application, the surfaces must be protected from rain and humidity until they are completely dry.

Exposure of the surface to atmospheric agents if is not completely dry, can cause the appearance of stains or irreversible bleaching.

For correct use of the materials mentioned, dilution and application, read the relevant technical data sheet carefully.

Correct use of individual protection equipment (PPE) is recommended during all preparation of substrate, products and application of the same.

CLEANING EQUIPMENT

Clean with water immediately after use.

COVERAGE

Patina Minerale (dil. 20%): 4-8 m²/l, in the two layers, depending on the type of substrate, its absorption and effect created.

Patina Minerale (dil.300%): 12-15 m²/l, for each layer, depending on the type of substrate, its absorption and effect created.

It is advisable to check the effective coverage via a preliminary test on the specific substrate.

COLOURS

Colour chart "**Antiche Patine**".

PACKAGING

1 l and 2.5 l packages

STORAGE CONDITIONS AND SHELF LIFE

The product must be used preferably within two years from the production date if kept in its original unopened container and under suitable temperature conditions.

SAFETY INDICATIONS

Directive 2004/42/EC:

Patina Minerale (paint for decorative effects)

EU limit value for Patina Minerale (cat A/I): 200 g/l (2010)

Patina Minerale contains max. 200 g/l VOC.

Harmful to aquatic organisms, may cause long-term negative effects in the aquatic environment / Keep out of the reach of children / Do not dispose of residues in drains / Wear suitable protective clothing and gloves / If swallowed, seek medical advice immediately and show container or label.

The product must be transported, used and stored in accordance with current legislation concerning health and safety; let residues dry out completely and treat them as special waste.

For further information, consult the MSDS.

N.B. - COLORIFICIO NOVACOLOR guarantees that the information herein is provided to the best of its experience and its technical and scientific knowledge; however, it cannot assume any liability for the results obtained using these products since the conditions of application are beyond its control. We recommend that you always check the suitability of the product to each specific use. This current edition supersedes all previous information sheets.