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Calcecruda

Mineral coating with lime and clay for interiors and exteriors



N936

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PRODUCT DESCRIPTION

Calcecruda is a microporous decorative coating, of mineral nature, with a strong natural connotation that actively contributes to living comfort.

Calcecruda is formulated on the specific properties of lime hydrate, purified clay, selected marbles and natural sands, which when appropriately balanced, allow excellent workability and moldability.

The clay component creates a network structure of particles, adjusts processing times and improves the workability of the product. The presence of cellulose fibres strengthens and reinforces the structure, thus contributing to the realisation of greater thicknesses in synergy with the other components.

Calcecruda allows the attainment of top quality finishes with crinkled effect, with soft and warm colours, at the same time providing an elegant decoration for interior and exteriors surfaces.

Calcecruda permits to considerably reduce the formaldehyde concentration in the environment.

This property is tested according to the specific ISO 16000-23 regulation. Destruction process durability is not permanent, this property is strictly linked to the environmental conditions.

The product complies with the Indoor Air Comfort Gold specification of Eurofins.

USES

Applicable on:

- New and old base hydraulic binder-based plaster.
- Old paints and organic or mineral coatings, dry, compact, absorbent and cohesive.
- Various absorbent mineral conglomerates.
- Gypsum and plasterboard surfaces

IDENTIFICATION FEATURES

- Nature of the binder: air lime, organic modification <5%.
- Bulk density: Calcecruda: 1.70 +/- 0.05 g/ml.
- Drying (at 25°C and 65% R.H.): to the touch in 3 hours; can be over-coated

after 12 hours (depending on the thickness applied).

PERFORMANCES

- Liquid water permeability EN 1062-3: class W2 MEDIUM; $0.1 < W \leq 0.5$ kg/m²h0.5
- Water vapour transmission rate ISO 7783-2: class V1 HIGH; $S_d < 0.14$ m (for thickness of 0.7 mm).
- Reduction of formaldehyde concentration: ISO 16000-23 TESTED AT EUROFINs Denmark; >80%.
- Indoor Air Comfort Gold certification (Eurofins IACG-442-01-01)
- Indoor Air Quality Classification: A+
- Fire reaction EN 13501-1: Class A2 s1 d0, referred to consumption not exceeding that indicated and application on a non-combustible surface.

DILUTION

Ready for use.

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.

SUBSTRATE PREPARATION

(Reference environmental conditions $T=25^{\circ}\text{C}$, $\text{RH}=60\%$)
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 in the presence of 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 deposits, smog and other by brushing.
For the preparation of the substrate, you can use **Decofix** (micronized wall fixative) water-dilutable, solvent-free, with high penetration, particularly suitable for the impregnation and consolidation of internal and external mineral surfaces. Alternatively, only for internal mineral surfaces, you can use **ZerO Primer** (water-based mineral fixative).
For consistent and non-powdery substrates, both internal and external, you can alternatively apply a layer of **Acricolor** or **Novaprimer**.
For usage instructions, refer to the relevant technical data sheets; application with a brush ensures the best performance results.

APPLICATION

Using a stainless steel spatula, apply a smooth layer of **Calcecruda** onto a completely dry surface and before the latter dries totally, finish the surface using a damp sponge trowel.
Eliminate any imperfections or accumulations of material.
When the first layer has dried completely, use the stainless steel spatula to apply a second layer of **Calcecruda** and, before this dries totally, finish the surface using a damp sponge trowel to obtain a sealed but rustic surface.
In order to obtain a polished effect, pass over the surface with a stainless steel gloss spatula for plasters, before it dries completely.
To obtain a compact effect, before the surface dries completely it is necessary to pass over the surface with a stainless steel spatula, making sure to handle only small portions of material.
Drying time: approx. 24 hours depending on the type of substrate, its absorption

and the environmental conditions.

PROTECTION OF THE SURFACES

It is possible to protect **indoor** surfaces with two layers of **Nova_Wall Care**, non-filming protection.

For the decoration of the surface, the application of **Cera Wax** is recommended, or, as an alternative, **Fase Silossanica** or **Patina Minerale**.

CalceCruda can be applied **outdoor** only if topcoated with at least two layers of **Fase Silossanica** or **Patina Minerale**.

It is recommended to apply one layer of color wash clear and following, to complete the process of decoration-protection of the surfaces, one or more layers of tinted color wash.

Application must be onto completely dry surfaces in compliance with the indications given in the technical data sheet. For further information, consult the relative technical data sheets.

The applications of the finishing proposed will alter the aspect of the surface. Before proceeding, it is recommended to perform a preliminary test.

RECOMMENDATION

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 advise mixing the different batches together in order to avoid slight colour differences.

The use of **CalceCruda** in exteriors implies the choose of light colors and the use of colorants resistant in exteriors.

After the application, surfaces must be protected from rain and humidity.

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

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

CLEANING OF TOOLS

Clean with water immediately after use.

YIELD

1.5-2.5 kg/m² in two layers for texture-stencil effects

0.8-1 kg/m² in two layers for marmorino effect

according to the finish of the substrate and its absorption.

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

COLORS

White base and Calcecruda colour chart.

PACKAGING

5 Kg ; 20 Kg packs

STORAGE LIFE

The product must be used preferably within 2 years from the production date if

CONDITIONS

kept in its original un-opened container and in conditions with suitable temperature.

As they are lime-based products, there may be an increase in viscosity during storage.

SECURITY PROCEDURES

EU limit value (Dir. 2004/42/EC)

Cat. A/l: decorative effect coatings (water-base): 200 g/l (2010)

The product contains max: 1 g/l VOC

Causes serious eye damage. Causes skin irritation.

The product must be transported, used and stored in accordance with the standards in force regarding hygiene and safety; let the residues dry out completely and treat them as special waste. Consult the safety sheet for additional information.