

Calcecruda

Mineral decorative coating for interiors and exteriors.

DESCRIPTION OF THE PRODUCT

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.

APPLICATIONS

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).

Determination of volatile organic compounds (VOC) ISO 11890:2 (not diluted) < 1 g/l

PERFORMANCE CHARACTERISTICS

Liquid water permeability EN 1062-3: class W₂ MEDIUM; W> 0.1 ≤ 0.5 kg/m²h^{0.5}

Water vapour transmission rate ISO 7783-2: class V₁ HIGH; Sd< 0.14 m (for thickness of 0.7 mm)

Reduction of formaldehyde concentration: ISO 16000-23 TESTED AT EUROFINs Denmark; > 80%.

Gross Heat of combustion (calorific value) (*) ISO 1716:2010 <0,2 MJ/kg

(*) European Class of Reaction to Fire A1

DILUTION

Calcecruda: 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.

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 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.

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

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.

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.

(The dilutions of the isolating material and the amount to apply, depend on the absorption of the substrate and are determined with preliminary tests on the specific substrate. Consult the relative technical data sheet).

PROTECTION AND DECORATION OF THE SURFACE

the application of **Nova_Wall Care** is recommended to protect the surface.

Technical data sheet: Calcecruda

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

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.

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 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 EQUIPMENT

Clean with water immediately after use.

COVERAGE

Calcecruda: 1.5 – 2.5 Kg/m² in the two layers, 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.

COLOURS

White base and **Calcecruda** colour chart.

PACKAGING

5 Kg packets; 20 Kg.

STORAGE CONDITIONS AND SHELF LIFE

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

SAFETY INDICATIONS

Directive 2004/42/CE:

Calcecruda (paint for decorative effects)

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

Calcecruda contains max. 5 g/l VOC.

Irritant / risk of serious damage to eyes / skin irritant / keep out of the reach of children / avoid contact with eyes / in case of contact with eyes, rinse immediately with plenty of water and seek medical advice / wear suitable gloves and protect eyes / face / if

swallowed, seek medical advice immediately and show this 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.