



COVERCEM®



COVERCEM® RESTAURA Natural finish mineral coating

COVERCEM® RESTAURA is a SolSilicate mineral consolidating coating according to DIN EN 1062-1 suitable for interior and exterior applications, formulated on the basis of alkaline silicates and Nano-Quartz in dispersion for the consolidation and restoration of mineral substrates. Particularly suitable for the application of glazes and patinas on surfaces of sandstone, limestone, brick, mortar, printed concrete, etc.

Properties

- Due to its mineral character and the fact that it does not form a film, it is a highly breathable and flame retardant product.
- For the preparation of mineral glazes for restoration, heritage and theming.
- As an additive for mortars in theming. As a thinner for silicate paints.
- As a primer for mineral substrates before the application of silicate paints.
- Respects the original texture and provides a matt finish.
- Thanks to its mineral composition it is an ecological product, free of biocides and hazardous substances.
- Formulated with alkaline silicates and Nano-Quartz in dispersion, which guarantees a high penetrability on mineral substrates and a great power of consolidation through a process of crystallisation and silicification.
- Complies also the requirements of the German DIN 18363, 2.4.1. (Silicate dispersion paints), which limits the content of organic materials to below 5%.
- Compatible with the ARCOCEM® range of pigment pastes.

Uses and fields of application

COVERCEM® RESTAURA is particularly suitable for the consolidation of mineral and cementitious substrates, printed concrete, brick, natural stone, etc. Both on walls, floors, facades and mineral surfaces in general. It is perfect for retouching the colour of the original stone. As a patina it guarantees a colour match with the original surface with a matt finish, respecting the original texture and without forming a film. Ideal both for decorative glazing applications and for the restoration of worn mineral substrates. Suitable for high decoration, creative works, theming, restoration and heritage.

As a glaze or patina, it can be pigmented with the ARCOCEM® range of pastes. Mix and homogenise both products properly and before each application, to avoid sedimentation of the pigments. Apply without dilution, spreading the product well in each application without leaving excess or leftovers. If necessary, up to two coats of the product can be applied.

Allow to dry properly between coats. As a glaze or patina, it has a matt or silky matt finish. The protection of the system with a water-repellent ensures greater protection against water and subsequent soiling, especially on exteriors or floors, while respecting the original texture and finish. If a satin or glossy finish is desired, it can be varnished with SEALCEM® WT or SEALCEM® DSV.

As a primer for mineral substrates and as a thinner for decoration and heritage finishes with silicate coating systems. As strengthening and depending on the state of the substrate, the degree of porosity, absorption, etc., it can be used from pure to diluted 1:3 in water.

To ensure correct application and absorption on the substrate, clean the surface with ECOCLEAN CONSTRUCTION, to ensure the elimination of hygroscopic salts and the opening of the pore.

In the case of surfaces with traces of pollution, grease and dirt in general, clean the surface with ECOCLEAN PRO.

It can be applied by roller, brush or with a suitable sprayer.

Not recommended on surfaces already painted with other systems (plastic paints, epoxies, polyurethanes, varnishes, etc.).

In this case it is recommended to remove the previous coating should be removed.

In order to guarantee a good absorption of the substrate, it must be dry, as the presence of excess humidity can prevent the the correct penetration of the product.

Consumption

Consumption will depend on the application method, roughness and porosity of the substrate:

- As a glaze/consolidant: 4 - 6 m²/L (undiluted)
- Diluted 1:2 with water: 14 - 16 m²/L².

Technical Data

- Appearance: off-white liquid. Transparent (in dry film)
- Colours: STONECEM® range
- Finish: Matt
- Density: 1,02 ± 0,02 ± 0,02 g/cm³
- Dynamic viscosity (L3 at 250 rpm): 15 ± 2 mPa-s
- pH: 10-11
- Application temperature: >5°C
- Thinner: Water
- Dry to touch (23°C): 1h
- Curing: 7 days

Characteristics

- Aqueous dispersion of potassium silicate, Nano-Quartz and special resins in emulsion.
- Water soluble.

Preparation of the substrate

Before treating the surface with COVERCEM® RESTAURA it is necessary to prepare the substrate properly. It must be dry, clean and free of dust, grease or dirt.

For the elimination of hygroscopic salts, efflorescence, mould, etc. We recommend cleaning with our ECOCLEAN CONSTRUCTION diluted 1:4 in water. In the case of having to remove dirt in general, grease and pollution marks, apply ECOCLEAN PRO diluted 1:4 with water. To ensure compatibility with the substrate, make a preliminary test on an inconspicuous area. If the surface has been previously varnished or painted, the coating must be removed, especially if it is damaged or deteriorated. This can be done by sanding or stripping, making sure to leave the surface in good condition. In the event that repair or sealing of joints is required, proceed prior to the application of COVERCEM® RESTAURA.

Application

- Prepare the surface by protecting the entire perimeter and areas that are not going to be covered with COVERCEM® RESTAURA, especially if they are metallic, lacquered, glass or wood.
- It can be applied directly by brush, roller or spray.
- Apply from pure to diluted 1:3 in water, according to the degree of consolidation of the surface, porosity and the type of substrate. The dilution can be adjusted in advance by making a sample in an inconspicuous area. On some substrates may appear whitish marks if applied too concentrated (depends on the absorption of each material).
- It is generally recommended to apply two coats of product. Allow to dry between application and application. The ambient temperature and humidity will determine the drying time.
- It is recommended 4 - 8 h between coats.
- Do not leave excess product or surplus.. If after drying a shiny crystalline-whitish surface is obtained, we recommend applying it pigmented with the ARCOCEM® range of pastes.
- The application must be carried out at ambient and substrate temperatures between 5°C and 30°C, without excessive wind.

Special precautions

Non-flammable product. In case of contact with eyes, flush with plenty of water for 15 minutes and seek medical advice.
In case of contact with skin wash with soap and water. Never use solvents or thinners. Do not swallow. In case of ingestion do not induce vomiting and seek medical attention immediately.

The following measures are recommended:

- Good ventilation.
- Use of mask with chemical absorbent.
- Protective goggles to avoid splashing.
- Rubber gloves.

Empty containers should be disposed of in accordance with current legislation. To prevent the product from drying out or thickening, close the lid after each use. Keep out of reach of children.

Packaging

Available in 1, 5 and 25 litre plastic containers.

Cleaning of tools

The tools are washed with water immediately after use, allowing the product to dry.

Storage Conditions

The product should be stored in its original closed packaging and protected from the weather at temperatures between 10°C and 30°C in a dry and well-ventilated place, away from sources of heat and direct sunlight. The shelf life is 1 year from the date of manufacture, if stored properly.



The product must not be used for purposes other than those specified without first having written instruction in its handling. It is always the responsibility of the user to take appropriate measures in order to comply with legal requirements laid down in the legislation. The following Safety Data Sheets are available to the professional.

Last edition: June 2021