



COVERCEM®



COVERCEM® XTREM Mineral polishing coating

COVERCEM® XTREM is a mineral-based consolidating coating with nano lithium silicate and special polysiloxanes in accordance with DIN EN 1062-1, suitable for interior and exterior use, for the consolidation and waterproofing of mineral substrates, mortars polished and printed concrete, brick, natural stone, microcement, etc.

Properties

- Due to its mineral character and the fact that it does not form a film, it is a highly breathable and fireproof product.
- For the protection and consolidation of mineral substrates in restoration, heritage and theming.
- Respects the original texture.
- Thanks to its mineral composition it is an environmentally friendly product, free of biocides and hazardous substances.
- Formulated on the basis of alkaline silicates and special polysiloxanes, which guarantees high penetrability on mineral substrates and a great power of consolidation through a crystallisation and silicification process. It also meets the requirements DIN 18363, 2.4.1. (Silicate Dispersion Paints), which limits the content of organic materials below 5%.
- It gives the treated surfaces a water-repellent character, significantly increasing their protection against water and atmospheric agents.

Uses and fields of application

COVERCEM® XTREM is particularly suitable for the consolidation and waterproofing of mineral and cementitious substrates, polished and printed concrete, brick, natural stone, etc. For walls, floors, facades and mineral surfaces in general. It does not affect the colour of the original surface, respecting the original texture and without forming a film.

Ideal for decorative applications as well as for the restoration of worn mineral substrates. Suitable for high decoration, creative works, theming, restoration and heritage.

As a consolidant and protector of polished concrete. Applied on ARCOCEM® DYE, it fixes the dyes in the concrete and allows the gloss to be enhanced by polishing. Apply from pure to diluted 1:1 with water, spreading the product well in each application without leaving excess or leftovers. If necessary, up to three coats of the product can be applied. Allow to dry properly between coats.

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

Consumption

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

- As a consolidant: 6 - 8 m²/L (two coats)

Technical Data

- Appearance: Transparent liquid
- Density: 1,04 ± 0,02 g/cm³
- Dynamic viscosity (L3 at 250 rpm): 5 ± 2 mPa-s
- pH: 10 - 11
- Application temperature: >5°C
- Diluent: Water
- Lithium content: ≥ 5%.
- Dry to touch (23°C): 1 - 2h
- Curing time: 7 days

Characteristics

- Aqueous dispersion with lithium silicates and special siliconates in aqueous dispersion.
- Water soluble.

Preparation of the substrate

Before treating the surface with COVERCEM® XTREM it is necessary to prepare the surface correctly. It must be dry, clean and free of dust, grease and dirt. For the removal of hygroscopic salts, efflorescence, mould, etc. We recommend cleaning with our ECOCLEAN CONSTRUCTION diluted 1:4 with water. If you need to remove general dirt, grease and pollution marks, use ECOCLEAN PRO diluted 1:4 with water. To ensure compatibility with the substrate, carry out a preliminary test on an inconspicuous area. If the surface has been previously painted or varnished, the previous 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. If repair or joint sealing is required, proceed prior to the application of COVERCEM® XTREM.

Application

- Prepare the surface by protecting the entire perimeter and areas that are not to be covered with COVERCEM® XTREM, especially if they are metallic, lacquered, glass or wood.
- It can be applied directly by brush, roller or spray. Apply from pure to diluted 1:1 with water, depending on the degree of consolidation of the surface, porosity and type of substrate. The dilution can be adjusted in advance by making a sample in an inconspicuous area. On some substrates whitish marks may appear in high concentration (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. We recommend 4 - 8 h between coats.
- In the case of polished concrete floors, apply COVERCEM® XTREM, spread the product well using a mop to ensure correct distribution and absorption on the substrate.
- Polish the surface to obtain the desired gloss and finish.
- Do not leave excess or surplus product.
- The application must be done at room 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 5 and 25L 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.

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