

ConProtect PLUS

Water-repellent water emulsion for the protection of mineral surfaces

PRODUCT DESCRIPTION

A water-based emulsion based on organo-functional silanes for hydrophobic impregnation of concrete and mineral substrates, providing an excellent beading effect.

TYPICAL APPLICATIONS

ConProtect PLUS is a versatile system suitable for a wide range of mineral substrates, from dense to porous surfaces.

- Concrete
- Clay bricks
- Clay roof tiles
- Clinker masonry
- Sand- and limestone
- Other mineral substrates

BENEFITS & ADVANTAGES

- Water-repellent effect
- Excellent beading effect
- Strong resistance to alkalis and durability against alkaline conditions
- High reactivity
- Reduces porosity and permeability
- Does not form sticky silicone films
- Transparent and vapor-permeable
- Reduction in uptake of water-soluble pollutants

TYPICAL PROPERTIES

| Property | Unit | Value |
|-------------------|-------------------|--------------------|
| Active Content | % | 40 |
| Appearance | | Milky white liquid |
| Density | g/cm ³ | 1.00 (@ 20 °C) |
| Flash Point, min. | °C | > 95 (EN ISO 2719) |

HANDLING & PROCESSING

Treated surfaces must be dry and clean. Permitted cleaning methods include sandblasting and water washing. Most liquid application devices (e.g., airless spray equipment) are suitable for use. The material should not be sprayed as an aerosol or applied with a brush.

Since **ConProtect PLUS** contains water, it is sensitive to cold and must not be used at temperatures below 0 °C. The ideal temperature range for application is between +5 °C and +40 °C. Do not apply the product if rain is expected or if strong winds or other environmental conditions hinder proper application. A surface that has already been made water-repellent is not suitable for treatment with **ConProtect PLUS**, as it will no longer allow the absorption of a water-based silane/siloxane emulsion. In such cases, pure silane or solvent-based systems, such as **ConProtect All-time**, can be used.

Non-absorbent surfaces, such as window frames, sills, plastic fittings, glass, etc., should be covered before application. Surfaces that accidentally come into contact with **ConProtect PLUS** can be cleaned with alcohol (spirit) or aqueous soap solutions. Cleaning should be carried out as soon as possible (within a few hours); otherwise, the formation of a silicone resin film may make cleaning more difficult. Silicone resin films are best removed using ethanol (or spirit).

Plants must be protected from overspray.

DOSAGE

The quantity of **ConProtect PLUS** to be applied depends heavily on the absorbency of the substrate and the desired penetration depth. Highly absorbent substrates may require up to **500–1000 g/m²** of the material.

To determine the precise amount needed and to verify the compatibility of **ConProtect PLUS** with previous or subsequent treatments, it is recommended to perform a small test application first.

Gently stir the product before use.

ConProtect PLUS should be applied to the surface using the wet-on-wet method until the substrate is fully saturated. The solution should be applied in **2–3 coats** without allowing the layers to dry between applications, as the water-repellent effect of **ConProtect PLUS** can develop within minutes.

On vertical surfaces, the solution should flow downward as a clearly visible wet curtain. This effect is achieved by allowing the solution to flow freely onto the surface without pressure.



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CONSUMPTION

| Suitable Substrates | Approximate Consumption | Application Method: |
|---------------------|-----------------------------|---------------------|
| Concrete | : Min. 300 g/m ² | Airless spraying |
| Clinker masonry | : Min. 300 g/m ² | Airless spraying |
| Sand- limestone | : Min. 250 g/m ² | Airless spraying |
| Paving stone | : Min. 300 g/m ² | Airless spraying |

MANUFACTURER CONTACT

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STORAGE

ConProtect PLUS should be stored at temperatures between +3 °C and +40 °C.

The product has a shelf life of at least 12 months if stored in originally sealed containers.

HEALTH AND SAFETY

Before considering the use of ConProtect PLUS product please read its Safety Data Sheet (SDS) thoroughly for safety and toxicological data as well as for information on proper transportation, storage and use.

The Safety Data Sheet is available on our website www.slprotection.eu or upon request from your local representative.

PACKAGING

ConProtect PLUS (liquid) is available in 1000 L IBC containers. At the customer's request, it can also be packaged in other containers, such as 1L, 3L, 5L, 25 L canisters.

WASTE DISPOSAL

When disposing of waste, follow local waste management regulations and take hazardous waste to an appropriate collection point.



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NOTE: All reasonable precautions have been taken in the manufacture of ConProtect PLUS products to ensure compliance with ConProtect PLUS high-quality standards. Recommendations and product features are believed to be based on the most reliable information available, and do not constitute recommendations to infringe the rights of other patents. Although all ConProtect PLUS products undergo rigorous quality testing, no specific guarantee can be given as results depend not only on quality but also on factors beyond our control. Therefore, we are happy to consult with you in case of any doubts regarding the application or the indicators, also pointing out that any oral recommendations other than those given here are not binding without written confirmation from ConProtect PLUS. All transactions are subject to our terms of sale, delivery and service. This data sheet supersedes the previous one, a superseding version can be issued without notice, if necessary. The information on this page is true and reliable to the best of our knowledge. The offered on-site service cannot be taken as responsible supervision. Therefore, our warranty is limited to the quality of the materials supplied.