

ConProtect Cure

Silicate-based concrete curing, hardening, and dustproofing compound

PRODUCT DESCRIPTION

ConProtect Cure chemically reacts with fresh and existing concrete, curing and hardening the concrete while acting as a dustproofing agent, without forming a surface film or affecting the normal concrete surface texture. It penetrates deep into the concrete, ensuring excellent adhesion for later coatings, adhesives, and treatments.

TYPICAL APPLICATION

- Curing of fresh concrete surfaces, where water curing or polyethylene sheeting are not viable alternatives.
- Hardening of older, porous concrete to reduce dust caused by abrasion and wear.
- Concrete surfaces in parking structures before the application of concrete sealers, joint sealants, or traffic-bearing membrane systems.
- Precast ("T"-shaped) concrete elements before placing a bonded concrete topping
- Before applying surface coatings such as paint, epoxy, or cement-based renders, to achieve better adhesion

BENEFITS & ADVANTAGES

ConProtect Cure suits a wide range of concrete structures — from parking structures and precast elements to marine, industrial, and infrastructure projects — and becomes an integral part of the concrete rather than forming a surface film.

- **Advanced Protection:** Reduces concrete porosity and permeability, protecting internal steel and reinforcement from corrosion.
- **Continuous Microcrack Sealing:** Stays reactive in the presence of moisture and prevents leaks over time.
- **Breathable Barrier:** Lets water vapour escape while resisting seawater, aggressive groundwater, and other aggressive liquids.
- **Increases surface strength** and helps reduce surface cracking.
- Contains a fugitive pink dye that shows uniform coverage during application and fades over time.
- Leaves no residue, does not impair adhesion of subsequent coatings or sealers, and contains no hydrocarbon solvents.
- Sprays easily using low-pressure equipment.

- **Improved Safety & Aesthetics:** Significantly reduces dust formation and improves slip resistance.
- **Asphalt Compatibility:** Prevents delamination of asphalt overlays and withstands high temperatures during paving without system degradation.

HANDLING & PROCESSING

Applied before final troweling, ConProtect Cure may accelerate surface set — allow finishers time to complete their work and reapply after troweling if required.

The hardened concrete surface must be thoroughly cleaned before treatment. Remove all loose dirt, dust, laitance, oil, grease, and other contaminants. Clean existing concrete using a pressure washer where necessary. Allow the surface to dry for at least 24 hours before applying ConProtect Cure. The concrete should be dry to the touch at the time of application.

All cracks, joints, and other defects must be repaired and sealed before application.

Do not apply ConProtect Cure when the substrate or ambient temperature is below 4°C, during rain, or in strong winds. In hot weather, apply the product during the early morning or late afternoon to avoid rapid evaporation. Mix or shake the product thoroughly before use, especially when stored at low temperatures.

DOSAGE

ConProtect Cure is a ready-to-use product.

Apply using a low-pressure sprayer, roller or brush, ensuring even and complete coverage in one uniform coat. Application equipment must be clean and free of solvent- or oil-based residues; wash equipment with clean water immediately after use.

The recommended coverage rate is 12-15 m²/L, depending on the porosity and absorbency of the concrete surface.

New, power-trowelled concrete: 12-14 m²/L

Porous or older concrete: up to 15 m²/L (depending on surface condition and absorbency)



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TYPICAL PROPERTIES

Property	Unit	Value
Appearance		Pink liquid
Viscosity	mPa·s	~ 1,06
pH		11,5
Flash Point	°C	None
Freezing Point	°C	0

IMPORTANT

ConProtect Cure must not come into contact with glass or aluminium surfaces.

- Avoid skin and eye contact.
- Verify the "use by" date; do not use expired product.
- Do not use if the product is suspected of having frozen.
- If contact with glass, marble, or aluminium occurs, flush immediately with water — once cured it cannot be removed and may etch these surfaces.

STORAGE

ConProtect Cure should be stored in a cool, shaded area at temperatures between +4°C and +37°C, in unopened original packaging.

Before application, mix the product thoroughly. Do not allow the product to freeze.

SHELF LIFE

The product has a shelf life of at least 24 months when stored in originally sealed containers.

PACKAGING

ConProtect Cure (liquid) is available in 1000 L and 200 L plastic barrels.

At the customer's request, it can also be packaged in other containers, such as 25 L, 10 L, 5 L or 3 L canisters.

HEALTH AND SAFETY

Use appropriate personal protective equipment.

Before using ConProtect Cure, please read the Safety Data Sheet (SDS) carefully to obtain safety information as well as guidance on proper transport, storage and use.

The Safety Data Sheet is available upon request via email at info@slprotection.eu or from your local representative.

WASTE DISPOSAL

When disposing of waste, comply with local waste management regulations and deliver hazardous waste to an appropriate collection point.

MANUFACTURER CONTACT

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NOTE: All reasonable precautions have been taken in the manufacture of ConProtect Cure products to ensure compliance with ConProtect Cure high-quality standards. Recommendations and product descriptions are based on the most reliable information available at this time and do not constitute a recommendation to infringe the rights of any third-party patents. Although all ConProtect Cure products undergo thorough quality testing, no specific guarantee can be given, as the result depends not only on product quality but also on factors beyond our control. We are therefore happy to consult with you should any doubts arise regarding application or performance indicators; we also note that any oral recommendations differing from those given here are not binding without written confirmation from ConProtect Cure. All transactions are subject to our terms of sale, delivery, and service. This data sheet supersedes the previous version, and an updated version may be issued without separate notice if necessary. The information on this page is, to the best of our knowledge, true and reliable. The on-site service offered cannot be regarded as responsible supervision. Our warranty is therefore limited to the quality of the materials supplied. ConProtect Cure products found to have a manufacturing defect within the stated shelf life will be replaced by SL Protection OÜ free of charge; this replacement is SL Protection OÜ's sole obligation under this warranty. SL Protection OÜ gives no other warranties, express or implied, including no warranty of merchantability, and shall not be liable for indirect or consequential damages arising from the use or handling of the product, nor for the product's performance after it has been applied by the purchaser.