

TECHNICAL DATA SHEET
HARDCRETE PROTEK
*Sealer and Densifier***PRODUCT DESCRIPTION:**

HARDCRETE PROTEK is a silane-terminated binder based on α -silane technology for the impregnation of mineral substrates or as a thin layer coating for mineral substrates or wood. **HARDCRETE PROTEK** α -silane-terminated polyethers represent a noteworthy group of moisture curing product that do not require tin catalysis.

HARDCRETE SD is a transparent, low viscosity, moisture cure sealer and densifier.

CUSTOMER BENEFITS

- low viscosity
- solvent and plasticizer free
- easy handling and dosing
- resistant to moisture
- cure without tin catalyst

Application

HARDCRETE PROTEK are applied for stain-resistant impregnation and coating of mineral substrates, e.g. polished or non-polished concrete floors, paving stones, clinker, bricks and natural stone.

Additionally, **HARDCRETE PROTEK** can be used as a wood coating binder for interior use, e.g. parquet flooring and furniture.

For substrates with poor or no absorbency, **HARDCRETE PROTEK** can be applied as a clear coating. The layer thickness should not exceed 100 μ m to ensure full and complete cure. Cure is usually complete after 24 h. In the case of higher absorbent substrates a second coating is recommended. In the case of coatings, it is recommended to add UV stabilizers since even for interior use UV exposure cannot be excluded.

During application of **HARDCRETE PROTEK** whether for impregnation or coating, the surface must be dry and clean. To define the optimum amount and to check applicative behavior it is recommended to

prepare a separate test surface. The material can be applied with a cleaning mop, shorthair roller or a brush. Airless spray application is equally possible.

The open time of the formulation examples outlined here is \sim 20 min depending on temperature and humidity. Treated surfaces are trafficable and durable after 24 hours.

Depending on the absorbency behavior of the substrate a second application (after 24 hours) may be necessary to attain a homogeneous finish. Depending on the absorbency, behavior of the substrate \sim 50 – 150 g/m² are typically required for the first layer. In the case of a second layer, by far a lower amount of material will be needed (\sim 50 %). Polishing is possible after 24 hours.

COVERAGE

HARDCRETE PROTEK should be applied in two coats at the rate of 0.2 liters/m² per coat.

Note: Consumption of material may increase depending on the porosity of the substrate.

STORAGE

Store in a dry and cool place. Protect against moisture. Store container in a well-ventilated place. Conditions for storage rooms and vessels: Observe local/state/federal regulations.

PACKAGING

HARDCRETE PROTEK is available in 20 liter and 200 liter drums.

HEALTH AND SAFETY

HARDCRETE PROTEK should be treated with care and should not come in contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection. Any eye contamination should be washed immediately with plenty of water.

Important Note:

The information contained in this leaflet is published to the best of our knowledge and is supported by current available data. Hence, subject to the care and method of application, deviations (from published values) in performance may occur. Our guarantee is therefore limited to the quantity of the supplied material.