

# Technical Data Sheet

## STAIN GUARD-50 Stain & Water Repellent Product Data and Test Information

### PRODUCT NAME

STAIN GUARD - 50

High performance water & stain repellent for concrete, terracotta tile, cast stone, paving, sandstone, limestone, brick and grout.

### MANUFACTURER

Chemical Products Industries, Inc.  
7649 SW 34<sup>th</sup> St., Oklahoma City, Ok 73179  
(800)624-4356 (405) 745-2070

### PRODUCT DESCRIPTION

STAIN GUARD-50 is a clear penetrating, breathable sealer designed for the protection of exposed porous tile, concrete, natural stone, paving and grout from the damage caused by water, salts and oil-based stains. It penetrates the surface and bonds chemically to the substrate, resulting in long term protection. Treated indoor and outdoor surfaces become easier to clean, maintain and keep looking good for longer.

### APPLICATIONS

STAIN GUARD-50 is suitable for a wide variety of applications, including building facades, floors, walls, swimming pool surrounds, patios, garages, kitchens and entertaining areas.

### ADVANTAGES

STAIN GUARD-50 is designed to work without changing the natural appearance of the surface and is able to repel stains, oil and food products. STAIN GUARD-50 is suitable for indoor and outdoor use and is able to seal hairline cracks up to 0.3 mm – does not flake or peel.

STAIN GUARD-50 does not contain exempt solvents such as 1,1,1 trichloroethane that may be hazardous. For the proper VOC regulations in your specific location contact your Chemical Products Industries, Inc. representative.



Treated Natural Stone

Chemical Products' state-of-the-art protective treatments have developed a reputation by architects and building professionals as the premier solution for water repellents and sealers. Chemical Products' is dedicated to solving the destructive influence water intrusion and other elements have on building materials.

Benefits of this product are:

- Repels stains, oil and food products
- Excellent resistance to water intrusion
- Exhibits good beading effects
- No change in surface appearance
- Breathable system
- Deep penetration into the substrate
- High resistance to alkali attack
- High resistance to wind-driven rain

### LIMITATIONS

Not intended for below-grade waterproofing. Should not be applied if the surface temperature is below 20° F or above 100° F, if rain is expected within six hours following application, or if high winds or other conditions prevent proper application. If rain has preceded the application, the surface should be allowed to dry at least 24 hours. Caution should be taken with windows, motor vehicles, vegetation and adjacent surfaces. Check compatibility before application.

## TECHNICAL DATA

Color	clear
Active substance	alkylsilane
Active content	>50%
Solvent	alcohol
Flash point	>13° C
Specific gravity	0.81

## INSTALLATION

As a standard procedure, fresh concrete should be allowed to dry for 28 days before application. All repointing must be completed and allowed to cure at least 3 days. Concrete repair and replacement must be completed prior to application. Patching materials, caulking, sealing materials must be fully cured before applying STAIN GUARD-50 except when using asphaltic sealants and other products which are susceptible to solvent attack. While STAIN GUARD-50 is compatible with most sealants, specific products should be investigated prior to use.

All surfaces must be cleaned to remove all traces of dirt, dust, efflorescence, mold, salt, grease, oil, asphalt, laitance, curing compounds, paint, coatings and other contaminants. Acceptable surface cleaning methods include shotblasting, sandblasting, waterblasting and chemical cleaners. Check with your Chemical Products Industries, Inc. representative to verify suitable cleaning methods, products and that the surface preparation is adequate.

Before applying, it is recommended that preliminary tests be carried out to determine usage and to test the effectiveness of the treatment. Depending on the porosity of each designated surface, coverage rates can vary. Typical coverage is approximately 80-300 square feet per gallon.

STAIN GUARD-50 should be applied by low-pressure (15 to 25 psi) pumping equipment with a wet fan type spray nozzle. Alternate methods include nap roller (1") or by brush.

Surface should have a mirror-like "wet" look for 3 to 5 minutes after first coat has been generously applied to the surface. After 10 minutes, repeat application. Allow 10 minutes after second application for product to penetrate surface then polish surface with a clean white dry cloth to remove excess product. Sealer will not prevent surface etching or wear and may lighten or darken some surfaces.

During application, precautions should be taken to protect the surrounding area from overspray and run off.

**Precautions:** STAIN GUARD-50 is a flammable liquid and should be kept away from heat, sparks, and other sources of ignition. STAIN GUARD-50 should be kept closed when not in use and should be stored at temperatures between 0° F and <120° F. Care should be taken to prevent moisture condensation in the container. Please refer to the Material Safety Data Sheet for more detailed information.

## AVAILABILITY

STAIN GUARD-50 is available in Quart, One Gallon and Five Gallon containers to approved applicators/distributors throughout the United States. Contact Chemical Products Industries, Inc. at 800-624-4356 for a sales representative in your area.

## TECHNICAL SERVICE

Technical service engineers and chemists are available to answer questions on product performance, application methods and chemical composition.