



## TECHNICAL DATA SHEET

# CS-HG STAIN GUARD

CS-HG is a stain and wear resistant sealer that provides a high gloss finish. CS-HG will improve the shine and durability of concrete, natural stone, terrazzo, masonry and other surfaces. CS-HG is a water based, lithium-fortified semi-penetrating protectant that reacts directly with the substrate. The reactive polymers have excellent wear properties and develop a rapid shine. CS-HG will not lift, peel or yellow making it a great alternative to floor waxes and conventional resin based coatings.

### APPLICATIONS

CS-HG uses unique non-toxic chemistry that will enhance the appearance of polished, integrally colored, dyed and stained concrete. It is simple to apply and dries fast. Periodic recoating may be needed but stripping is not required. To provide a superior shine install this product in conjunction with a high-speed burnisher. CS-HG is a great choice for:

- Grocery Stores
- Aircraft Hangers
- Manufacturing Facilities
- Automotive Dealerships
- Schools
- Architectural Concrete
- Laboratories
- Shipping Terminals
- Warehouses
- Food Processing Facilities
- Office and Medical Buildings

### ADVANTAGES

- Prolongs polished concrete
- Increases abrasion resistance
- Rapid gloss development
- Keeps dirt and contaminants from penetrating the surface
- Dries in minutes
- Does not alter surface profile
- Safe for food contact
- VOC-compliant
- Simple re-application

### PHYSICAL PROPERTIES

Form	Liquid
Color	White, dries clear
Odor	Slight ammonia-like
Total Solids	21.4%
Specific Gravity	1.06
PH	11-12
VOC Content	<50g/L
Flash Point	N/A
Freeze Point	32°F (0°C)

### Available in

- 1 Gallon Jug
- 5 Gallon Pail
- 55 Gallon Drum

### Shelf Life

1 year in sealed, unopened container.

### Storage Conditions

Container should be sealed tightly when not in use. Material may be stored between 36° F and 100° F. Do not allow to freeze.

### Consistency

Pourable, white liquid.

### Appearance

Dries to a clear, glossy film



Meets the USGBC's LEED® Requirement of IEQ Credit 4.1

# CS-HG

## STAIN GUARD

### MATERIAL COVERAGE PER GALLON

Coverage rate will vary based on concrete porosity and environmental conditions, but typical installations will yield 1,500 - 2,000 sqft per gallon on the 1st coat and 3,000 - 4,000 sqft per gallon on the 2nd coat.

### APPLICATION RECOMMENDATIONS

Before application, always do a small test sample in a less-visible area to be sure there are no variables or contaminants in the substrate that may be incompatible with this product. Apply only when temperatures will be above 40°F (4°C) for at least 2 hours following application.

Deep clean the surface with an auto scrubber to remove any dirt, laitance, curing compounds or coatings that may prevent CS-HG from penetrating the surface. Do not use citrus or acidic cleaners. If acidic or d-limonene cleaners have been used, neutralize the surface using an alkaline cleaner. Do not over mix or bubbles and/or foaming can occur and make uniform application more difficult. Do not overapply. Multiple thin coats achieve better results than one heavy coat.

Apply CS-HG using a microfiber pad that has been predampened with the product. Using a low pressure sprayer, spray lightly and then spread material thinly and evenly.

For best results, use joint lines as starting and stopping points. Spread the product as far as possible while maintaining a wet edge. Do not overwork material into the surface; stop spreading once drying begins. Allow each application to dry at least 30-60 minutes between coats or before opening area for general use. Second applications will improve sheen and stain protection. Buffing with a high-speed burnisher (1500-2100 rpm) and a hog's hair pad between coats is recommended and will speed curing and improve shine. Do not cover treated surfaces for at least 1 week as protective coverings may slow curing and cause some whitening by trapping moisture. Do not allow traffic on surface until it is dry- typically 30-60 minutes.

**CAUTION:** If CS-HG comes into contact with glass, fabric, metal, or painted surfaces, immediately wipe contaminated surfaces with a damp cloth, then wipe dry with a second clean cloth.

### CLEAN UP

Use soap and water to clean tools and equipment. Although CS-HG is non-toxic and environmentally safe, it is alkaline. Use up or dry out extra material and dispose of according to local regulations. Do not pour into sewer systems or storm drains.

### LIMITATIONS

CS-HG will not hide stains. It is chemically resistant and helps reduce staining, but some compounds, especially acids, may damage the surface. CS-HG will not bridge or fill cracks and will not salvage honeycombed or structurally unsound surfaces. This product will not alter the profile of a surface. Not suitable for asphalt, non-cement surfaces or painted surfaces. Visit [www.htspoly.com](http://www.htspoly.com) to find additional guidelines and specifications.

### SAFETY AND HANDLING

All personnel should read and understand the Safety Data Sheet prior to use. Proper safety equipment must always be worn in accordance with OSHA regulations including but not limited to protective non-slip footwear, rubber gloves, eye protection or splash shield, and long sleeve coveralls.

**CAUTION:** Surfaces wet with CS-HG may be slippery.

### FIRST AID

**KEEP OUT OF REACH OF CHILDREN.** This product is alkaline. Keep container closed tightly when not in use. Do not drink. If swallowed, do not induce vomiting; drink two glasses of water and call a physician. If splashed in eyes, rinse eyes immediately with clean water and call a physician if irritation persists. CS-HG will dry out and irritate the skin. Clean skin with soap and water promptly.

### WARRANTY

HTS products are free of manufacturing defects. When applied in accordance with HTS'S directions and tested in compliance with ASTM and HTS's standards, CD-HS will meet current published physical properties. There are no other warranties by HTS of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. HTS Corporation shall not be liable for damages of any sort (including remote or consequential damages) resulting from any claimed breach of any warranty, whether expressed or implied. This includes any warranty of merchantability or fitness for a particular purpose or from any other cause whatsoever.

