



TECHNICAL DATA SHEET

CS-PS



DENSIFIERS & SEALERS

CS-PS is a fully penetrating stain protector designed for interior concrete, stone and masonry surfaces. This product provides a protective barrier that resists staining and creates an easy-to-clean surface. It seals, and repels while maintaining breathability and will not alter the appearance of the substrate. CS-PS utilizes the benefits of lithium silicate for superior stain protection. This penetrating sealer produces a water repellent, less porous surface and may help keep out aggressive salts, such as chlorides and sulfates. CS-PS may be used at the end of the polishing process in place of traditional film-forming guard products.

APPLICATIONS

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

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

ADVANTAGES

- Provides a barrier that resists staining
- Creates an abrasion resistant surface
- Protects concrete without forming a film
- Helps prevent freeze/thaw damage
- Repels water, oil and stains
- Performs well on natural stone
- Allows moisture to escape
- VOC Compliant

PHYSICAL PROPERTIES

Form	Liquid
Color	Opaque, dries clear
Odor	Slight to none
Total Solids	13.1%
Specific Gravity	1.01
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, opaque liquid.

Appearance

Dries clear with no film



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

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MATERIAL COVERAGE PER GALLON

Coverage rate will vary based on concrete porosity, finish and environmental conditions, but typical installations will yield:

Trowelable Application Coverage

Machine-troweled Concrete - 600-800 sf per Gallon

Polished Concrete - 800-1500 sf per Gallon

Over CS-HG - 1500-2000 sf per Gallon

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. Clean surface to remove any dirt, laitance, curing compounds or coatings that may prevent surface penetration. Do not use citrus or acidic cleaners. If acidic cleaners have been used, neutralize the surface using an alkaline cleaner.

Apply CS-PS using a microfiber pad that has been pre-dampened with the product. For best results, use joint lines as starting and stopping points. On interior machine-troweled or polished concrete, spray on the surface with a saturating coat and spread evenly with a flat, microfiber pad. Do not over-work material into the surface spread it and leave it. The surface is ready for use when dry.

CLEAN UP

Use soap and water to clean tools and equipment. Although CS-PS 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.

CAUTION: If CS-PS 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.

MAINTENANCE

Clean floor daily with a microfiber pad or dry dust mop. Clean all spills that may leave a residual stain, such as food or other acidic substances, as quickly as possible. Use a manufacturer's approved cleaner that is formulated for concrete floors at least once a week; avoid off-the-shelf and other common household cleaners than may contain acidic or heavily alkaline ingredients that may directly hard the concrete. To restore stain repelling properties in higher traffic areas, repeat Application Recommendations in affected areas when needed.



LIMITATIONS

CS-PS will not hide stains. It is chemically resistant and helps reduce staining, but some compounds, especially acids, may damage the surface. CS-PS 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. A light lithium residue may form on the surface after the product dries. This is excess that was not absorbed and can be removed with a stiff broom or autoscrubber. If the product is heavily overapplied, mechanical abrasion may be required to remove excess build-up. Visit our website (www.hitechpolyurea.com) to find additional tips, guidelines and specifications. Proper application is the responsibility of the user.

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-PS 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-PS 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, CS-PS 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.