



TECHNICAL DATA SHEET

CS-PS^{SV}



DENSIFIERS & SEALERS

CS-PS SV is a solvent-based fully penetrating stain protector designed for interior concrete, stone and masonry surfaces. CS-PS SV provides a breathable protective barrier that seals and repels, helping to resist staining and creating an easy-to-clean surface. It leaves a less porous surface which helps keep out aggressive salts such as chlorides and sulfates. The application is breathable and does not alter the appearance of the substrate, utilizing the benefits of lithium silicate for superior stain protection.

APPLICATIONS

CS-PS may be applied to steel troweled, honed, polished or highly polished concrete surfaces. SC-PS SV can also be applied to surfaces previously treated. To provide a superior shine, install this product in conjunction with CS-HG. For best results, treat floors with a densifier before application. CS-PS SV 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

- Seals to protect from oil and food stains, and repels water or other stains
- Effective on floors treated with densifier
- Can be applied in conjunction with CS-HG
- Suitable for any cured concrete, from steel troweled to highly polished
- Low-odor, ideal for interior applications
- Fast drying, less downtime
- Treated surfaces remain breathable - preventing moisture entrapment
- Suitable for burnishing
- High coverage rate
- Multiple applications can be applied

PHYSICAL PROPERTIES

Form	Liquid
Color	Clear
Odor	Slight to none
Total Solids	13%
Specific Gravity	0.96
PH	11-12
VOC Content	<100 g/L
Flash Point	170°F (>77°C)
Freeze Point	-22°F (<-30°C)

Available in

- 1 Gallon Jug
- 5 Gallon Pail

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

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MATERIAL COVERAGE PER GALLON

Coverage rate will vary based on concrete porosity, finish and environmental conditions. Coverage rates vary with concrete quality, porosity, job-site conditions, temperature and relative humidity:

Steel Troweled Concrete

1500-2000 sf per Gallon

Mechanically Honed or Polished Concrete

2500-3500 sf per Gallon

Over CS-HG Concrete Sealer

4000-5000 sf per Gallon

Applications to highly polished floors yield the highest coverage rates. Two thin applications achieve better results than one heavy coat. Calculate the target coverage rate by testing a representative section of the prepared surface.

SURFACE PREPARATION

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.

Do not apply to surfaces that are frozen, dirty, or have standing water. Application can begin as soon as the prepared surfaces are dry.

CS-PS SV can be applied to existing, cured concrete of any age, while new concrete should be cured for at least 28 days prior to application.

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.

APPLICATION RECOMMENDATIONS

CS-PS SV may be applied to interior concrete (steel troweled, honed, polished or highly polished), stone, and masonry surfaces. Apply only when temperatures will be above 40°F (4°C) for at least 2 hours following application.

Apply CS-PS SV 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.

Allow the surface to dry until no longer tacky (typically 60-90 minutes). For optimal results, let the product dry and cure for at least 4 hours before beginning the burnishing process.

Once fully dried, CS-PS SV can be polished using a high-speed burnisher equipped with a 1500-3000 grit

diamond pad. This burnishing step will smooth and polish the surface, as well as eliminate any haze that might result from over-application.

For enhanced stain resistance, apply up to two additional coats as needed.

DRYING TIME

Foot traffic when dry to the touch. Stain resistance and water repellency after 24 hours, which continue to improve for 7 days after application.

CLEAN UP

Use mineral spirits or equivalent cleaning solvent to clean tools and equipment. 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 SV 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 that may contain acidic or heavily alkaline ingredients that may directly harden the concrete. To restore stain repelling properties in higher traffic areas, repeat Application Recommendations in affected areas when needed.

LIMITATIONS

- Apply as packaged. Do not dilute or alter material. Stir or mix well before use.
- Once opened, Concrete Protector SB must be used immediately.
- May lead to a subtle darkening of the concrete.
- Not ideal for surfaces where standing or pooling water is present.
- Always perform a small test sample prior to application to check for the desired result.

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 SV may be slippery.



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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 SV 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 SV 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.

