



L&M
Construction Chemicals

PERMAGUARD SPS™

DS-177.7-1214

A product brand of LATICRETE International, Inc.



1. PRODUCT NAME

PERMAGUARD SPS™

2. MANUFACTURER

LATICRETE International, Inc.

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3. PRODUCT DESCRIPTION

PERMAGUARD SPS is the answer to the common floor staining problems of concrete, stone, marble and terrazzo surfaces due to spillage and penetration of varied common contaminants found in grocery complexes, school cafeterias and restaurants.

PERMAGUARD SPS is a low odor, VOC compliant, topical sealer consisting of low molecular emulsified cross-linking, coupling polymers that effectively protect concrete and other natural stone floor surfaces from the damaging effects of staining, defacing and deterioration due to contaminant penetration. PERMAGUARD SPS extends protection to bare concrete floor surfaces that have been treated with chemical densifiers such as SEAL HARD® and on floors that have been ground and polished using FGS PERMASHINE™ Polished Concrete System.

Floors treated with PERMAGUARD SPS are easier to clean and keep clean. It develops a long lasting high gloss finish that improves light reflectance and eliminates the need for floor waxes, polishes and conventional epoxy based coatings. The intensity of the colored and dyed floors will be enhanced with the application of PERMAGUARD SPS. Routine maintenance is simple, when using FGS CONCRETE CONDITIONER™.

Use

PERMAGUARD SPS protects bare concrete and other surfaces from contaminant penetration and effectively resists oil, water, wine and other liquid penetration in warehouses, grocery stores, restaurants, school service cafeterias, wine shops, rest rooms and display rooms with polished decorative concrete. Other typical applications include vehicle repair facilities, machine shops, bus terminals, concrete pavers and natural stone surfaces.

Advantages

- Excellent repellency protection from fluids (wines, vinegar, fruit juices and organic acids) and will also protect surface gloss from deteriorating
- Excellent oil and grease repellency to resist staining and improve aesthetics
- Quickly opens to traffic
- Non-slip performance
- Exceptional scuff and scratch resistant
- Enhances stained and colored concrete
- Compatible with floors previously treated with chemical hardeners and densifiers
- Minimizes UV attack on dyed concrete surfaces

Suitable Substrates

- Polished concrete

Packaging

1 Gal (3.8 L)

5 Gal (19 L)

Approximate Coverage

Typical coverage rates, depending upon substrate porosity and anticipated conditions are:

Concrete: 800-1500 ft²/gal (19.5 - 36.6 m²/L)

Stone: 1000-1500 ft²/gal (24.4 - 36.6 m²/L)

Shelf Life

PERMAGUARD SPS has a shelf life of up to 12 months provided it is stored in a tightly closed container and protected from sunlight, and stored at temperatures between 40°F (4°C) and 100°F (38°C).

Limitations

- Clean up spills as quickly as possible to minimize potential staining.
- Apply within temperature range of 50°F (10°C) and 100°F (38°C).
- Maximum protection is normally realized after 48 hours of curing time has elapsed.
- Cool, humid conditions may prolong dry time and result in a haze. Concrete must be fully cured (28 days).
- Burnish with black synthetic or hogs hair pad to increase protection from contaminant penetration and to increase gloss.
- For interior use only.
- Use of ammonia or amine based cleaners will remove this product over time.
- Regularly maintain PERMAGUARD SPS™ surfaces with FGS CONCRETE CONDITIONER™ with soft, white scrubbing pads.

Cautions

- Applicators should wear rubber gloves and eye protection
- Keep from freezing
- Keep container closed when not in use
- Protect glass, plastic products, shrubbery and plant life from overspray
- Do not expose to ammonia or amine based cleaners or film damage and removal will result
- Please refer to Product Safety Data Sheet (SDS) before using

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

4. TECHNICAL DATA

US Environmental Protection Agency
California Air Resources Board SCM Districts
Northeast Ozone Transportation Zone
Maricopa County Arizona
ADA and OSHA compliant non-slip performance
NSF (Supersedes USDA Approval)

Property	Observed
Color	Milky White
Total Solids	24%
Viscosity	Water like
pH	8.5
Slip coefficient of friction	>.6
Film	Yes
VOC	<50

Specifications are subject to change without notification. Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind. Satisfactory results depend upon many factors beyond the control of LATICRETE International, Inc. User shall rely on their own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from their direct use, indirect use or consequential to their use of the product. LATICRETE shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.

5. INSTALLATION

Surface Preparation:

Surfaces should be clean from dust, dirt, oils, grease, curing compounds, other coatings, efflorescence, and laitance before applying PERMAGUARD SPS. Wait a minimum 28 days on new concrete before applying PERMAGUARD SPS. On chemically hardened, polished concrete allow a minimum of 48 hours between application of hardener and the application of PERMAGUARD SPS.

Pre-moisten micro-fiber pad with PERMAGUARD SPS. Working from joint to joint, apply evenly and thinly with the pad. Do not puddle. Burnish after final coat has dried a minimum of 4 hours, using a high speed, 2000 RPM burnisher with soft white pad or soft natural hogs hair. Burnishing is necessary for enhanced gloss and improved durability and chemical resistance. If multiple coats are to be installed, allow previous coat to dry, normally 15 to 30 minutes, at 70°F (21°C).

Cleanup: Thoroughly rinse equipment with clean water before PERMAGUARD SPS dries. To remove dried film, scrub with ammonia or amine based cleaner over areas where PERMAGUARD SPS has dried.

6. AVAILABILITY AND COST

Availability

L&M™ and LATICRETE® materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.362.3331

Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at

www.lmcc.com.

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE Product Warranty

8. MAINTENANCE

The long term performance, appearance, and life expectancy of wear surface products are critically dependent upon a good routine maintenance program designed specifically for the installed wear surface type, traffic, and other conditions. Properly placed walk-off mats, inside and outside will help increase the life of the floor. Some cleaning products and equipment or improper use of products can damage a wear surface appearance over time. Recommended maintenance program consists of frequent and thorough cleanings utilizing FGS CONCRETE CONDITIONER. Frequency of washing will vary, as it may be necessary daily, weekly or less frequently depending on floor usage and age. A mechanical walk-behind or ride-on scrubber is an efficient and economical means of regularly cleaning concrete floors. Only soft scrubbing or soft brush attachments should be used when mechanically scrubbing your floor. Do not use aggressive abrasive pads or brushes. The use of black scrubbing pads, diamond impregnated pads or carbide impregnated type brushes may dull the surface gloss. Wet mops work well on small floors or places where a mechanical scrubber will not fit.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.362.3331
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at www.laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at www.laticrete.com. The following is a list of related documents:

DS 174.6: SEAL HARD®
DS 177.1: FGS CONCRETE CONDITIONER™