

SILEX[®] SEAL is a proprietary formula designed to penetrate deeply into the concrete's surface. When **SILEX[®] SEAL** is applied to concrete it chemically reacts forming covalent bonds within the concrete substrate that provides excellent hydrophobicity while allowing treated concrete to remain breathable; inhibits the movement of liquid water but permits water vapor to move through the concrete matrix.

SILEX[®] SEAL's formulation provides a long lasting, high level of protection from contaminants such as dirt, oil, grease, chemicals, salt and water from penetrating the surface while also providing a gloss finish, superior hardening properties, slip resistance and increased long-term performance to newly finished or aged concrete surfaces. Excellent for floors that have higher moisture vapor emissions rate.

SPECIFICATIONS

ESTIMATED COVERAGE:

1st Coat: 1,500 - 2,500 SF / gallon

2nd Coat: 2,500 - 3,500 SF / gallon

Applications Required: 2

Color/Odor: Clear/Fragrant Smell

pH Level: 11.0

Evaporation Rate: > 1.0

VOC: < 50g/L

Vapor Pressure: < 2.2 torr. @ 68°F (20°)

Vapor Density (air = 1): > 1

Drying Time: 20-30 min. depending on ambient conditions

Foot Traffic / Wheel Traffic: 1 Hour / 6-10 Hours

Shelf Life: 18 months unopened

Packaging: 5g Pail, 55g Drum, 275g Tote

Storage Instructions: Do not break seal until product is ready for use. Maintain duct in the original container. Do not allow Silex[®] SEAL to freeze. Store in a well ventilated, cool, dry location and maintain temperatures between 40° – 90°F (4° – 32°C).

**Coverage or treatment yields will vary with the wide variety of substrate variations in concrete quality, porosity, finish, ambient conditions, and number of coats/applications.*

BENEFITS

- Hydrophobic Protection Locks out Water, Oil & Salt Intrusion
- Excellent for Higher Moisture Vapor Emissions
- Higher Levels of Abrasion Resistance
- Superior Surface Hardness & Density
- Increase Performance & Service Life
- Reduces Alkalinity Efflorescence
- Protects & Enhances Integral Color Decorative Surfaces
- Reduces Surface Permeability
- Dust Proof & Non-Marking
- UV Resistant: Will Not Chip, Peel, Flake w/ Age or Exposure
- Resistant to Blushing & Non-Yellowing



PRIMARY APPLICATIONS

- Sealing New Concrete
- Polished & Decorative Concrete
- Distribution Centers & Warehouses
- Grocery Retailers
- Retail Showroom
- Medical Facilities
- Industrial & Commercial Floor Slabs
- Institutional Facilities

- Compliant with all US VOC regulations including US EPA, OTC, LADCO, SCAQMD & CARB
- LBC Red List Compliant
- Contribute to LEED Credits



SILEX® Concrete Polishing System® is a Silica Stacking® process requiring the use of all SILEX® tooling & floor products in sequence to attain maximum results.

DIRECTIONS FOR USE

PREPARATION:

After the final resin polishing step has been completed, the surface must be thoroughly cleaned and allowed to dry completely prior to application.

IMPORTANT: Coverage rates will vary depending on the finish and porosity of the concrete. DO NOT OVER APPLY. Will result in improper curing and possible whitening. Apply as thin as possible without dry streaking.

SURFACE PREPARATION:

Surface must be clean and allowed to dry completely prior to application.

APPLICATION PROCESS:

Applications Required: 2

1st Coat: Using a HVLP sprayer, apply **SILEX® SEAL** spraying lightly/thinly and evenly at a rate of 1,500 - 2,500 SF/gallon. Apply using a micro-fiber pad that has been per-dampened with **SILEX® SEAL**. For best results, limit the size of the area being treated at one time to a 400 SF section. Spray another line of SEAL when the micro-pad begins to drag. Allow **SEAL** to dry for 20 minutes or until completely dry. Burnish with a **SILEX® SPECTRUM PAD**.

2nd Coat: Rate of 2,500 - 3,500 SF /gallon same application process as the 1st coat.

Burnishing between coats improves curing process, sheen, stain protection, and durability.

IMPORTANT: DO NOT clean or scrub the surface for at least 24-48 hours. This allows the product to adhere and penetrate the surface correctly. • Quickly clean up spills. • Avoid moisture.

Ready to use and requires no blending or dilution. Mild agitation is recommended before usage.

for 48 hours. • Do not allow standing water for 14 days. • Do not cover with protective plastic sheeting, rugs, or furniture that can prevent proper curing; can result in a permanent cloudy/whitening effect. • Maximum performance may take up to 14 days to develop, depending on ambient conditions.

MAINTENANCE:

Routine sweeping, mopping, and mechanical scrubbing of floors with **SILEX® CR Cleaner & Restorer** or water is sufficient in most environments. DO NOT use acidic, butoxy-ethanol, or citrus cleaners to maintain polished floors. These substances are corrosive and will etch/damage the finish.

SLURRY MANAGEMENT:

Utilize SILEX Slurry Management products SlurryDry SSG™ SlurrySEP Floc™ & SlurrySafe AR™

CLEAN UP:

Use soap and water to clean tools and equipment. Any product left in containers that cannot be saved for recovery or recycling should be triple rinsed and disposed of according to local, state, and federal regulations.

SAFETY DATA SHEETS, TECHNICAL DATA SHEETS & TECHNICAL ASSISTANCE:

Refer to the SDS (Safety Data Sheet) for complete first aid and safety information at www.SilexSystem.com

Professional Use Only: Must be applied by a Certified SILEX® Installer.

CONTACT:

Any technical information or assistance, contact Customer Service or your Silex® Sales Representative.

WARRANTY

Diamatic® solely and expressly warrants that for 12 months from the date of purchase of its Diamatic® Silex® flooring products shall be free from defects in material and workmanship which cause the product to fail to operate in accordance with the product's performance specifications as they exist at the time of shipment and including only to the extent that the product is properly installed by a Certified Silex® Applicator, in strict compliance with the installation/application instructions provided in its product literature &/or packaging label.

Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer will be solely responsible for determining the suitability of the Diamatic® Silex® flooring products for the Buyer's intended purposes. The Buyer must examine the product when received and promptly notify Diamatic® Silex® in writing of any non-conformity before the product is used and no later than 30 days after such non-conformity is first discovered. If any Diamatic® Silex® product fails to conform to this warranty, Buyer's sole and exclusive remedy shall be replacement of the defective product at no cost to the Buyer. Unless authorized in writing signed by an officer of Diamatic® Silex®, no other representations or statements made by Diamatic® Silex® or its representatives, in writing or orally, shall alter this warranty.

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IMPORTANT-BEFORE BEGINNING APPLICATION PROCESS READ, UNDERSTAND AND FOLLOW ALL LABEL, DATA SHEET, AND SAFETY INFORMATION. EMPLOYEE EDUCATION AND TRAINING IN SAFE HANDLING OF THESE PRODUCTS ARE HIGHLY RECOMMENDED.