



SILEX® GLIDE DC

SUB-SURFACE HARDENER & REFINING COMPOUND

with Reactive Colloidal Silica Technology

SILEX® GLIDE DC SUB-SURFACE HARDENER & REFINING COMPOUND is a dual compound (DC) neutral pH formula designed utilizing reactive colloidal silica technologies with hydrophilic properties which allows deeper penetration into the substrate due to its nano-sized particles. GLIDE DC's fast-reacting components immediately begins chemically reacting with the concrete's matrix forming new CSH compounds in the micro-pores and micro-capillaries.

SILEX® GLIDE DC formulation has also been engineered with nano-abrasion technologies which act like an abrasive that enhances the diamond's cutting capabilities providing faster, more efficient concrete removal. During the first cut, GLIDE DC forms a reactive slurry that is pushed back into the substrate's micro-voids by the grinder's head pressure where it continues to chemically react and bond with itself.

This is the **most important and 1st Step** in the **Silex® Silica Stacking® Refinement Process** which begins creating a harder, denser floor resulting in a longer life span and performance.

SPECIFICATIONS

Coverage Rate: 400 to 600 ft² /gal* (4.90 - 14.7 m² /L)

Color/Odor: Clear Red**/ Fragrant Smell (Cherry)

pH Level: 6-7

Evaporaton Rate: >1.0

VOC: < 50g/L

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

Density (water = 1): > 1.0 @ 68°F (20°)

Shelf Life: 18 months in its original unopened container

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

Compliance: ASTM E 96-10, ASTM C 944, ASTM C 779, ASTM C 1583, USDA Compliant & FDA Approved.

Storage Instructions: Do not break seal until product is ready for use. Maintain unused product in the original container. Do not allow SILEX® GLIDE to freeze. Store in a well ventilated, cool, dry location and maintain temperatures between 40°F – 100°F (4° – 38°C).

**Due to the wide variety of substrates variations in concrete quality, porosity, job site conditions, temperatures, and relative humidity will affect coverage rates and drying times.*

*** The added fugitive dyes serve as an application guide and will dissipate following its application.*

BENEFITS

- Harder, Denser Surfaces
- Nano-Abrasion Technologies
- Faster Refinement
- Lower Ra Numbers
- Less Surface Pop-outs
- Excellent for Concrete Surface Cracking
- Increased Efficiencies & Overall Productivity
- Increase D.O.I. (Distinction of Image)
- 100% Miscible
- No Stray Swirls Left in Concrete
- Sustainable System



PRIMARY APPLICATIONS

- New & Existing Concrete
- Decorative Concrete
- Distribution Centers & Warehouses
- Grocery Retailers
- Industrial & Commercial Floor Slabs
- Manufacturing
- Medical Facilities
- Office Buildings
- Retail Showrooms

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



Safety Precautions: Proper safety procedures should be followed at all times while handling these products. Refer to the Safety Data Sheets (SDS) for important health/safety information before use. Safety Data Sheets are provided on our website in a downloadable .pdf under each product or contact our office at 1-866-295-5512.

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

PRE-APPLICATION:

- 1) Due to the wide variety of substrates, application methods and environments, test the product in an inconspicuous spot for compatibility prior to full scale application.
- 2) Test and record Ra meter values from a digital profilometer / t-meter prior to starting first cut. Test the surface hardness with Mohs' Hardness tools.

IMPORTANT:

In order to achieve maximum results, it is **CRITICAL** to achieve proper SSD (surface saturated dry) conditions prior to SILEX® GLIDE DC application!

SURFACE PREPARATION

1ST STEP BEFORE GLIDE DC APPLICATION:

Auto scrub surface with **SILEX® CLEAN CR Cleaner & Restorer**. • Wet the floor to Surface Saturated Dry (SSD)** • For proper SSD, wet the surface until water will no longer absorb or soak into the surface. • This will be a **Minimum of 4 hours**. • Check saturation periodically. • When proper SSD has been accomplished remove any standing water before GLIDE DC application to prevent dilution and weakening of the product. • The concrete's surface will be darker (wet looking) but will be dry to the touch.

NOTE: *The longer you can keep the concrete surface wet with water prior to GLIDE DC application, you'll achieve better results & deeper penetration due to its reactive nano-sized technology.

**Porosity, temperature and humidity influences how quickly the substrate becomes and stays saturated.

APPLICATION:

Apply SILEX® GLIDE DC using a sprayer. • Scrub the material into the surface with a soft bristle broom or brushes on an auto scrubber. • Keep the entire surface wet with GLIDE DC for a minimum of 30 - 45 minutes if proper SSD was accomplished. • Let GLIDE DC dry. • Lightly re-wet floor utilizing auto scrubber with lowest water setting (squeegee up) to help break surface tension.

Note: For best results, it is recommended to let GLIDE DC cure overnight. • Lightly re-wet surface prior to cutting if over-night curing was used.

CUTTING: Add enough water to the surface in the grinder's path to create slurry that has the consistency of heavy shaving cream. • If slurry becomes too thin, add GLIDE or use less water. • If slurry becomes too thick, lightly add water.

Begin cutting with the appropriate **SILEX® BLACK H Diamonds** from initial recorded Ra value. • Continue cross-cutting (N/S/E/W) until you have reached the Ra value ranges for each **SILEX® BLACK H Diamond**.

Clean floor with auto scrubber utilizing soft white bristle brush and **SILEX® CLEAN CR Cleaner & Restorer**.

NOTE: Adding SILEX® CLEAN to the grinder's water tank will assist in removing slurry.

SLURRY MANAGEMENT:

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

CLEAN UP:

Wash equipment with soap and water. Any product 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 Sheets) for complete First Aid and Safety Information at www.SilexSystem.com

Professional Use Only: Must be applied by an approved 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 & FOLLOW ALL LABEL, DATA SHEET, AND SAFETY INFORMATION. EMPLOYEE EDUCATION AND TRAINING IN SAFE HANDLING OF THESE PRODUCTS ARE HIGHLY RECOMMENDED.