



\*Subject to change. Contact Solomon Colors/Brickform for most up-to-date information

### 001: Product Description

**Lythic Cleaner** is an exciting product that hardens and enhances hard troweled floors and polished concrete. Unlike traditional cleaners, **Lythic Cleaner** is produced with colloidal silica designed to bond to other **Lythic Products** used in advanced floor finishes.

**Lythic Cleaner** is an effective, non-corrosive cleaning agent for highly finished or polished concrete surfaces. Cleaning a concrete floor does more than simply maintaining appearance and hygiene; it is vital to the continued performance of the finish. Dirt and grit must be removed so they do not become abrasives that compromise the stain protection layer.

**Lythic Cleaner** goes beyond cleansing by adding silica to the surface as it cleans. Reactive colloidal silica bonds to concrete, so every cleaning improves resistance to abrasion and liquid penetration. It is chemically matched to the **Lythic** stain protection products for complete compatibility. Sold as a concentrate, it is ideally suited for everyday use and is the best investment you can make in maintaining a concrete floor finish.

### 002: Features & Advantages

- Mild, safe and non-corrosive
- Maintains and replenishes concrete protection
- Adds silica during cleaning
- Removes abrasive materials
- Simplifies maintenance
- Water-based, environmentally friendly
- Improves traction
- Concentrate formula

### 003: Sustainability

**Lythic Cleaner** increase the performance and protection of a polished concrete surface, extending its service life and minimizing materials and energy consumption for its replacement.

- South Coast Air Quality Management District compliant
- Low-VOC formula
- Ships as concentrate to lower environmental impacts
- Reduced shipping and storage costs
- No hazardous waste created
- Qualifies for LEED credits

### 004: Materials Packaging

#### Lythic Densifiers Concentrate 32:1

- 1 gallon / 3.78 liter jug
- 5 gallon / 19 liter pail
- 55 gallon / 208 liter drum
- 270 gallon / 1021 liter tote (IBC)

*\*Note: the concentrated product will yield 33 times the volume when mixed 32:1 with clean potable water.*

### 005: Coverage Rates

**Lythic Cleaner** will yield different coverage results depending on the application method. Hand mopping will yield higher usage than using an auto-scrubber. Test on a small sample area to determine appropriate application rate and technique before applying to entire project area. *\*(See Section 009: Project Testing)*

- Auto-scrubber: Refer to equipment manual
- Hand mopping: 1 RTU gal = 250-450 ft<sup>2</sup>

### 006: Storage & Shelf Life

**Lythic Cleaner** should be kept in the original container when possible, with the lid fastened tightly. **Lythic Cleaner** concentrate has an optimized shelf life of 36 months from the date of manufacture.

- Keep in a dry place
- Temp range of 40-100°F or 4-38°C
- Do Not Allow to Freeze

### MIXING & APPLICATION

#### 007: Coverage Rates

**Lythic Cleaner** is a concentrated product that needs to be diluted with clean water.

- Mix 32:1 for regular cleaning by hand-mop or auto-scrubber (*1 gal Lythic Cleaner to 32 gal water*) 4 oz per gal of water.
- Mix 16:1 for heavily soiled areas (*1 gal Lythic Cleaner to 16 gal water*) 8 oz per gallon of water.

#### 008: Equipment

Apply **Lythic Cleaner** using an auto-scrubber or hand mop with two buckets (one for application and the other for rinse water).



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## 009: Project Testing

To assure that desired performance and appearance specifications are met, test a sample area of each slab to be treated using the proposed treatment methods and techniques, coverage rates, and equipment, with the work performed by the same installation personnel who will do the project.

Test section should be large enough to properly represent the overall slab. Check whether coverage rate is appropriate, that concrete accepts the product, and that product is reacting with slab.

## 010: Pre-Application

Advanced planning is critical to all successful concrete work, notations worth considering when using **Lythic Products**.

- Measure area (*square feet: ft<sup>2</sup> / square meter: m<sup>2</sup>*) that will require **Lythic Products**.
- Mix an appropriate quantity of **Lythic Products** for job-size, per instructions in Section 007: Mixing & Dilution, using estimated coverage rates in Section 005: Coverage Rates or the coverage chart on page 1.
- Check auto-scrubber is in optimal working condition.
- Designate trained operator(s) to apply **Lythic Products** throughout project to ensure consistent application.

## 011: Application Guidelines

**Lythic Cleaner** can be applied via auto-scrubber or hand mopping.

### 011-a: Auto-scrubber

- Dilute **Lythic Cleaner** per required ratio 32:1 or 16:1
- Refer to auto-scrubber manual for operational instructions.
- Heavy solid areas increase dwell time, or spot clean.
- Allow to dry. No floor-rinsing is required.

### 011-b: Hand Mopping

Mop applications require a separate rinse-water bucket to clean and wring mops as it applies **Lythic Cleaner**.

- Dilute **Lythic Cleaner** per required ratio 32:1 or 16:1.

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- Apply one mop-load of mixed **Lythic Cleaner** evenly over the floor.
- Rinse mop in clean water and wring out before re-loading with more **Lythic Cleaner**.
- Replace clean water frequently to maintain effectiveness of cleaning.
- Allow to dry. No floor-rinsing is required.

## 011-c: Spot Cleaning

**Lythic Cleaner** is effective for spot cleaning small areas of oils and grease stains. Use full strength, undiluted **Lythic Cleaner**.

- Apply undiluted **Lythic Cleaner** to the stained area.
- Allow to dwell for 15 minutes.
- Then agitate area to remove stain.
- Repeat as necessary.
- Rinse area with clean water before cleaning overall area as normal.

## 012: Limitations & Important Notes

- **Lythic Cleaner** will not remove adhesives, mastic or other surface sealants.
- Jobsite samples are strongly recommended prior to application of all **Solomon/Brickform** and **Lythic Products**.

## 013: Industry Compliance

- VOC Compliant
- USDA-Authorized
- National Floor Safety Institute
- LEED-Green Building Rating System
- GreenSpec listed
- OSHA & ADA non-slip requirements



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### 014: Lythic System Products:

- Lythic DAY1 .....(Troweling aid)
- Lythic Densifier .....(Small particle densifier)
- Lythic Densifier XL .....(Larger particle densifier)
- Lythic Protector .....(Color enhancer & protector)
- Lythic SPD Protector ... (Color enhancer & protection)
- Lythic Cleaner .....(Colloidal silica cleaning agent)
- Pro-Dye .....(Penetrating colorant concentrate)
- Stealth Seal .....(Penetrating sealer)
- Solomon Colors .....(Integral color for concrete)
- Brickform .....(Sealers and processes for concrete)

### HEALTH & SAFETY

#### 015: Precautions

WARNING: FOR PROFESSIONAL USE ONLY. Before using product, read product SAFETY DATA SHEET (SDS) and instructions on packaging. ALKALINE CONCENTRATE: Contact can damage eyes, skin, and other body tissues. HANDLE WITH CARE. Eye and skin irritant. Digestive tract irritant; DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. Spray mist is respiratory tract irritant. Use only with adequate ventilation. Do not breathe vapors or spray mist. Avoid contact with eyes, skin, clothing. Observe appropriate safety and jobsite controls. Wear appropriate protection including eye protection and chemical-resistant gloves. Ensure fresh air-flow during application and until dry. If you experience headaches, dizziness, eye watering, or if air monitoring shows vapor/mist levels above applicable limits, wear a properly fitted P100/organic vapor respirator (NIOSH TC-84A approved), used according to manufacturer's directions, during application and drying. SLIP/FALL DANGER: During application of Lythic Products and until dry, treated surface will be slippery. Use extreme care when walking on wet Lythic Products.

#### 016: First Aid

**Ingestion:** Not expected to be toxic. Never give an unconscious person anything to ingest. If swallowed, immediately give two glasses of water, seek medical attention if ill effects develop.

**Inhalation:** May cause irritation. Remove to fresh air and provide oxygen. If not breathing, give artificial respiration. Seek medical attention if irritation persists.

**Eye Contact:** Flush with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

**Skin Contact:** May cause irritation. Wash affected area with soap and water. Remove contaminated clothing and shoes. Seek medical attention if irritation persists.

#### 017: Physical Properties

**Appearance** .....Red tinted liquid  
**VOC Content**.....<10 g/l  
**Active Ingredients**.....100% of total solids  
**Material pH** .....apx 10  
**Freeze point** ..... 32°F - 0°C

#### 018: Warranty

**Lythic Products** are intended for use by licensed contractors and installers, experienced and trained in the use of these types of products. It is warranted to be of uniform quality, within manufacturing tolerances. The manufacturer has no control over the use of this product, therefore, no warranty, expressed or implied, is or can be made either as to the effects or results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing Lythic Products proven defective. The end user shall be responsible for determining product's suitability and assumes all risks and liability.

#### Additional Information & Technical Support:

This document covers the basic guidelines and instructions for the use of Lythic Products. Further instruction or technical information related to specifying Lythic Products or systems are available upon request. Contact Solomon Colors or your local distributor: