

# LYTHIC SOLUTIONS™ COLLOIDAL SILICA NANO TECHNOLOGY



Floor Cleaning – Lythic™ Cleaner



# WHAT IS COLLOIDAL SILICA?

**Reactive Colloidal Silica – Reactive Colloidal Silica is 99.5% pure nano-sized silica particles suspended in an ultra-low surface tension liquid**

(A “colloid” is a suspension of solid particles in a liquid; the solids are not dissolved, but they do not sink to the bottom and separate, either, due to a special process.)

- ▶ These Nano Sized Silica Particles, in there low-viscosity suspension penetrate quickly, deeply, and cleanly into concrete.
- ▶ React very efficiently with lime in concrete.
- ▶ These reactions form cementitious compounds in the concrete’s pores that harden and densify the surface with less wait and less waste.



# Lythic™ Cleaner

## Product Description

- ▶ Lythic Cleaner is a non-corrosive cleaner, formulated to remove surface dirt and soil from concrete floor surfaces. It fortifies concrete surfaces with reactive silica as it cleans to increase durability and maintain surface polish.
- ▶ Adds Reactive Colloidal Silica to the surface as it cleans which bonds to concrete naturally, so every cleaning improves resistance to abrasion and liquid penetration.



# Direction for use

## Cleaning

- ▶ If the main goals of the cleaning program are achieved, your floor should last for the life of the building.
- ▶ Sweeping or dry mopping a floor will remove abrasives such as dirt and debris. Always sweep before using your autoscrubber to scrub the floor.

## Autoscrubber

- ▶ Dilute Lythic Cleaner with water in your autoscrubber.
  - Dilute the Cleaner 4oz (1:32) per gallon of water. In an autoscrubber this should achieve about 1000ft<sup>2</sup> per gallon of water.
  - Dilute stronger up to 8oz (1:16) per gallon of water for heavy soiled areas

Allow the product to dwell before extraction will increase cleaner efficiency.

Mop cleaning will be effective if done using a separate rinse bucket. The rinse water needs frequent changing.



# Application Areas

- ▶ Industrial & Warehouse Floors
- ▶ Commercial Floors
- ▶ Retail Outlets

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