



Making Concrete Better

Lythic Protector

Technical Product Data

rev 2012/10

Product Description

Lythic Protector is a penetrating concrete sealer formulated to enhance and protect polished concrete floors. It is a unique product that includes colloidal silica for surface hardness and compounds to promote water repellency.

Primary Applications

Lythic Protector is applied over finished concrete. It can be applied as the final enhancing step of a polish or HardWear Floor process. It can also be applied to polished concrete that needs to be renewed or refreshed.

- Warehouses / Distribution centers
- Commercial Floors
- Medical and Research
- Residential
- Overlays and wear toppings
- Schools / Institutional

Benefits

- Enhances colored concrete floors
- Increases durability and stain resistance of concrete floors
- Increases slip resistance
- Water based, low VOC product

Physical Properties

- Appearance.....milky white liquid
- Drying Time.....20 min to 1 hour
- VOC Content.....25 g/l
- Active Ingredients.....100% of total solid
- pH.....10-11
- Freeze point..... 32°F
- Shelf Life..... 1 year
- Coverage..... 1500-2000 ft² / gal

Packaging

- Bucket, apx 5 gallon or 19 liter
- Drum, apx 55 gallon or 209 liter
- Tote, apx 270 gallon or 1022 liter

Storage

Lythic Protector should be stored tightly sealed in its original container in a cool dry place to maximize shelf life. Shelf life is approximately 1 year.

Clean-up

Clean tools and equipment with water immediately after use. Residue from application and clean-up is non-toxic. Protect metals, glass, wood, paint or brick from contact with Lythic Protector.

Caution

Keep out of reach of children. For professional use only. Read the material safety data sheet (MSDS) before handling or using. Follow recommended safety procedures while handling or using.

Application / Directions Preparation

Complete all floor prep including densification, coloring, and polishing before applying Lythic Protector. Clean floor to remove dust and debris. The surface should be completely clean and dry before application.

Application

Lythic Protector is diluted 1:1 or 2:1 with potable water. Using a low pressure pump sprayer, apply Lythic Protector in a light mist. Using a damp micro fiber or flat cotton pad applicator, spread Lythic Protector in a thin film coat using a "figure 8" motion to reduce streaking and to prevent puddling. Coverage should be 1500-2000 ft² per gallon. If applying a second coat, it should be applied after the first is tack free. Work leaving a wet edge and work-in areas bordered by joints or natural breaks. If product becomes too "sticky" to work easily, moisten the applicator pad with water.

High speed burnishing using a diamond fiber pad, or hogs hair fiber pad, will enhance the finished surface.

Cure finished floor for 24 hours before allowing regular foot traffic. Do not allow standing water to remain on the surface for the first 72 hours. Lythic Protector is intended for interior use.

Maintenance

Only an approved maintenance regimen should be used. Consult Lythic Solutions for more information. Cleaning solutions should be neutral pH. Avoid acidic cleaners and detergents containing hydroxides or sulfates as these may etch or dull the surface.

Warranty

Lythic Solutions, Inc. ("Lythic") warrants for 12 months from the date of shipment by Lythic or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Lythic, the product is free of manufacturing defects and conforms to Lythic's properties in force on the date of acceptance by Lythic of the order. If Lythic, in its sole discretion, determines that the product breached the above Warranty, it will, in its sole discretion, replace the non-conforming product or refund the purchase price. Please contact Lythic for additional detail or clarification.

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