



Making Concrete Better

Lythic SPD Protector

Technical Product Data

rev 2012/10

Product Description

Lythic SPD Protector is a chemically formulated silica polymer dispersion that reacts with and changes the treated surfaces to harden and seal.

Primary Applications

Lythic SPD Protector is applied over finished concrete. It can be applied in a polishing process, after a 200 or 400 grit. It can also be applied to existing concrete needing a thin film layer of protection regardless of whether it has been polished or not.

- Warehouse / Distribution centers
- Residential floors and garages
- Restaurants and cafeterias
- Utility areas
- Pet environments
- Airplane hangars
- Retail floors
- Sport facilities

Benefits

- Increase surface density and durability
- Barrier to acids and oil penetration
- Low VOC, Water based
- Increases surface slip resistance
- Dries clear and will not yellow over time
- Will not peel or delaminate when applied to clean surfaces

Physical Properties

- Appearance.....milky white liquid
- Pot Life.....1 hour
- VOC Content.....< 50 g/l
- Set up for light traffic.....8-12 hours @ 70°F
- Set up for heavy traffic.....72 hours @ 70°F
- Freeze point.....32°F
- Hot tire pick up resistance.....72 hours @ 72°F
- Slip Resistance.....improves floor friction coefficient
- Shelf Life.....1 year
- Coverage.....1200-2000 ft² / gal
- Working Temperature.....60-90°F

Packaging

Lythic SPD Protector is packaged as a 2 part kit.

Total volumes available:

- 2 gallon kit (7 liter)
- 4 gallon kit (15 liter)
- Bulk orders available upon request

Storage

Lythic SPD 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 warm soapy water immediately after use. Residue from application and clean-up is non-toxic.

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 SPD Protector. Clean floor to remove dust and debris. The surface should be completely clean and dry before application.

Application

Stir each separate component before use. Mix equal parts of SPD A and SPD B in a clean pail. Mix with mixing paddle or cage for apx 1 minute.

Apply mixed product from a roller pan. Using a short nap microfiber roller, spread SPD in a thin, even coat. Do not leave puddles and avoid repeated passes once product is laid down. Coverage should be between 1200-2000 ft² per gallon. If applying a second coat, it should be applied only after the first is completely dry.

Allow 2 to 4 hours to dry before light traffic. SPD Protector reaches full cure in 72 hours. Do not allow any liquids on the surface until material reaches full cure.

After 24 hours, surface can be burnished using a red pad, hogs hair pad, or a fine diamond fiber pad to enhance the finished surface.

Lythic SPD 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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