



Making Better Concrete

Lythic DAY1

Technical Product Data

rev 2012/10b

Product Description

Lythic DAY1 is designed to assist with the finishing of interior and exterior concrete. Typically applied, DAY1 will lubricate the slab surface, increasing the efficiency of power trowels, and extending the workability time for the final trowel. Improved troweling leads to better slab consolidation resulting in increased strength and durability. DAY1 reacts with calcium hydroxide and silica components of the slab resulting in a densified, dust-proofed, abrasion resistant surface.

Lythic DAY1 can also be applied to cured concrete, no matter the age, resulting in improved abrasion resistance and water repellency.

Primary Applications

Applications include but are not limited to concrete floors, walls, driveways, sidewalks, precast stone, masonry and natural stone.

- Bridges and Roads
- Parking Garages
- Interior or exterior concrete
- All concrete surfaces

Benefits

- Water based, low VOC content
- Simple, spray application
- Increases the efficiency of power trowels
- Less fatigue on both the trowel and the operator
- Prevents dusting and efflorescence
- Improves abrasion resistance, long term durability
- Will repel water from the surface
- Will inhibit salt penetration
- Reduces alkali-silica reaction (ASR) potential
- Will accept other surface treatments with no special prep

Physical Properties

- Appearance.....milky white liquid
- VOC Content.....0 g/l
- Total Solids.....50-60%
- pH.....9.5 - 10.5
- Freeze point.....32°F
- Shelf Life.....1 year
- Coverage.....See "application/directions" for details

Packaging

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

Storage

Lythic DAY1 should be stored tightly sealed in its original container at 40-80 degrees F. 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 DAY1.

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

Lythic DAY1 can be applied as part of placement or to cured concrete.

- Always mix DAY1 well, before using or diluting, preferably with a mechanical mixer paddle.
- 4:1 , The recommended dilution rate is 1 part DAY1 to 4 parts potable water.

Wet / Trowel-In Application

Lythic DAY1 can be applied to newly installed concrete during the final trowel. Use a low pressure sprayer to apply DAY1 ahead of power trowel to increase trowel efficiency and create greater surface consolidation. Coverage is apx 200-300 ft² per gallon.

Existing Concrete

Lythic DAY1 may be applied to cured concrete, regardless of age. Use a low pressure sprayer to achieve a consistent, even application. Apply product to sufficiently "wet" the surface while not allowing to puddle. If needed, follow spray application by broom to avoid puddling and the wasting of material. Coverage is apx 400-500 ft² per gallon

Product dries quickly. Apply so as to maintain a wet edge. Otherwise, water spotting may occur and/or product is wasted.

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.

DAY1™



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