

LITHOSEAL™ by LITHOCRETE™
(Concrete Sealer)

Product Description: Lithoseal™ has been specifically formulated as an integral component of the Lithocrete™ paving system. It works by penetrating into the cementitious substrate and reacting with the calcium hydroxide and siliceous materials. Lithoseal™ does not change the surface profile or appearance. Extensive field testing and experience verifies performance.

Lithoseal's™ reaction with the compounds within the concrete, forms an additional insoluble silicate structure, and has a consolidating and gluing/cementing effect that reduces permeability and increases durability. Lithoseal™ provides waterproofing protection, increases surface abrasion resistance, provides protection against food, oil, environmental and chemical staining and damage, provides protection against freeze-thaw damage, and reduces or eliminates most types of efflorescence.

Composition and Characteristics: Lithoseal™ is a water-based penetrating sealer containing lithium silicate in solution. It requires no mixing or agitation. Color: water clear. Flash point: none. Lithoseal™ is non-toxic, non-biodegradable, and contains no VOCs or solvents.

Application Procedures: Do not apply Lithoseal in air temperatures below 50 degrees F° or on surfaces below 50 degrees F°. Do not apply in direct sunlight or if the surface is hot to the touch (above 100 degrees F°). If possible, the application should be a continuous process from start to finish. If an interruption should occur, mark the place of interruption and continue at a later time as if no interruption had occurred.

General Application Instructions: Application of Lithoseal™ may begin after the Lithocrete™ paving has cured according to instructions or for a minimum of 14 days. If at any time a sheen or whitening is observed, immediately stop application. Absorb any excess sealer remaining on the surface immediately with clean, dry cloths.

1. Surface must be clean and dry. Do not use chemical cleaners.
2. Protect objects from overspray: especially glass, metal, ceramics, glazed tile and wood. If sealer should spray on objects or areas inadvertently, remove immediately with damp cloths.
3. Before use, make sure the selected garden or airless sprayer is completely clean of solvents and foreign materials.
4. Apply Lithoseal™ in a light, even coating, just barely dampening the surface with the sprayer. Do not apply heavy coats.
5. As soon as the first coat is dry, and the concrete has returned to its original color, apply a second, light, even coat.
6. Repeat the application of light, even coats until the last coat applied dries significantly slower than the previous coats. Then stop application of Lithoseal™.
7. Immediately clean all equipment by rinsing with water.

The slower drying (penetration) indicates that enough sealer has been applied. Normally, application will take between 3 and 5 coats.

Coverage Rate: Application normally takes 3 to 5 coats, resulting in a coverage rate (finished project) of between 150 and 200 s.f. per gallon.

Packaging: 55 gallon drum or 5 gallon pails.

Limitations: Test for compatibility prior to use. Lithoseal will not seal structural cracks, voids, or holes. If Lithoseal™ is applied for any use other than with the Lithocrete™ paving system, results may be unpredictable.

WARNING: Excess sealer left to dry on the surface will result in a white scaly residue which is unsightly and may be difficult to remove. DO NOT allow sealer to puddle or run on the surface. Wipe up excess with dry cloths, or mop it up.