



LithoSeal

Liquid Hardening Compound

Description

LithoSeal is a liquid concrete hardening compound that is used to seal, harden and dustproof concrete surfaces. It can be used on aged and new concrete surfaces. When used on fresh concrete it helps to prevent premature plastic shrinkage cracking and dusting that can contribute to early concrete deterioration. Product works by reacting with the free lime present in concrete, forming a dense hard crystal like surface that helps to keep moisture in the concrete to aid in the curing process. Surfaces treated will become dense and less porous with much improved water, chemical and oil resistance. Requires a wet on wet application and as an option, retreat after 7 days for better results. Unlike other hardeners, this product can be applied over concrete that has been integrally colored or has received surface colored hardeners. With the second treatment option, surfaces can be mechanically polished to obtain soft gloss on tooled surfaces. Non staining.

Uses and limitations:

Can be use in all types of concrete floors, especially in warehouses, shops and loading docks to improve overall durability.

LithoSeal is the choice product to help cure and prepare floor surfaces where water curing, membrane type sealers and dissipating curing agents uses are not practical. Some examples are hi-rise slabs where water curing is a problem, floors to receive adhesive type flooring systems or Portland based thinsets. Product does not attract moisture and floors will not be slippery and it is safe for use in storage type facilities where condensation can be a problem. Do not use over hydrophobic type release waxes or carbon based organic pigments that will block product from penetrating or when solely used as a curing agent on unprotected concrete. Product does not meet ASTM-309 performance for curing compounds.

Benefits:

More reactive and safer than Potassium and Sodium. Product does not build a surface film. Contains no VOC, application does not require mixing, re-wetting or by products re-capture. Can go over colored concrete without staining. Non hazardous.

Surface preparation

Concrete surfaces must be clean and absorbent. On existing concrete, clean to remove dirt and contaminants to allow product to penetrate the surface.

Application

Apply to fresh concrete as soon as concrete has sufficiently harden to support walking without marring or damaging the surfaces. Apply a wet on wet coat by roller, or spray at the rate of 200 to 500 Sq./Ft per gallon. **Do not puddle as it will leave a whitish surface buildup that is difficult to remove.** Apply enough product to produce a glossy wet coat but do not pond. Always use a pad to evenly spread out any excess product. Microfiber pads work best. Do not dilute product. On exposed flat-work, a dissipating membrane curing compound meeting ASTM C-309 may be used after 1 hour and over the application of LithoSeal.

Coverage:

Rate of application will be determined by the surface profile and absorbency. The range is between 200-500 Sq./Ft per gallon.

Packaging

Product is available in 5 gallon pails.

Safety:

Product may cause skin and eye irritation. Clean tools and container with fresh soapy water. Wear eye protection and avoid prolonged skin contact. Keep away from children and pets. Do not discard product into storm sewers or any body of water.

Warranty: When product is used according to directions, warranty is limited to the refund of the purchase price if deemed defective at manufacture. This product is intended for industrial professional use by competent tradesmen. Builders Construction Products shall not be liable to the purchaser or any third party for costs of labor direct or indirect, and incidental or consequential damages related to the use or suitability of this product. No other warranties are implied. Responsible disposal of used products and packaging is the responsibility of the purchaser and or end user.

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