



LithoSeal

Liquid Concrete Densifier

Description

Lithium silicate concrete hardening compound that is used to seal, harden and dustproof concrete surfaces. It can be used on aged and new concrete surfaces. Product works by reacting with the free lime present in concrete, forming a dense hard crystal-like surface that seals and hardens concrete surfaces. Surfaces treated will become dense and less porous with much improved water, chemical and oil resistance. Unlike other hardeners, this product can be applied over concrete that has been integrally colored or on surfaces treated with colored surface stains and surface hardeners. With the second treatment option, surfaces can be mechanically polished to obtain a glass-like surface.

Uses and limitations:

Can be used on all types of concrete floors that have not been previously sealed. Can be used on warehouse floors, shops, loading docks to reduce maintenance and improve overall durability.

LithoSeal is the product of choice that helps protect and prepare floor surfaces where water curing, membrane type sealers and dissipating curing agents are not practical to use. Some examples are hi-rise slabs where water curing is a problem or floors that receive ceramic tile floors using Portland cement based adhesives. This product does not attract moisture and floors will not become sweaty and slippery. Safe to 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. When using it as a curing agent over unprotected concrete, it is only another alternative for dust proofing. Product does not meet ASTM-309 performance for curing compounds.

Benefits:

More reactive and safer than Potassium and Sodium products because it does not require dilution or abatement. Product does not build a surface film. Does not Contain VOC. Application does not require mixing, re-wetting or any hazardous product recapture. This product can be used over colored concrete without staining. It is a non-hazardous and ready-to-use liquid.

Surface preparation

Concrete surfaces must be clean and absorbent. On existing concrete it is best to remove coatings, dirt, contaminants and open pores prior to application to allow product to penetrate the surface.

Application

Apply to fresh concrete as soon as concrete has hardened. For polished concrete wait at least 28 days. Install as a wet-on-wet application using a pump sprayer or roller and a microfiber pad to evenly spread on the surfaces 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.*** It is optional to re-treat after the initial treatment has fully dried. Use care to not apply an excessive amount of the product. Always use a microfiber pad to evenly spread out any excess product. Only microfiber pads work best. Do not dilute product. Expose flatwork that requires cure using a dissipating membrane curing compound ASTM C-309 that may be applied over LithoSeal first coat after it has completely dried. Curing blankets can be used on non-architectural concrete where appearance is not an issue.

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. Dispose of containers and any left over product responsibly by following local disposal laws. Product is intended for industrial professional use. Not cataloged as an environmentally harmful substance. For additional safety information review product MSDS data can be downloaded on line.

Note:

This product is intended for professional use by craftsmen familiar and experienced in concrete polishing, especially when application of acid stains or eco-colors are applied.

Visit our website for information and availability of these ancillary products.


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Warranty:

When product is used according to directions; warranty is limited to the refund of the purchase price if deemed defective at manufacture. Products exceeding their shelf life are excluded from this warranty. Products are intended for industrial professional use by competent tradesmen with sufficient knowledge and experience on their use, installation and product suitability.

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Do not dispose in drainage systems, lakes or bodies of water. Review MSDS for additional health information.

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