

LITHI-TEK® 4500

Technical Data Sheet

Lithi-Tek® 4500 is an advanced, high performance, industrial strength, deep penetrating concrete sealer and densifier designed to strengthen concrete. This unique formula incorporates leading molecular nanotechnology. The subsequent chemical reaction elicited from the formula fills the pores and capillaries with an impenetrable crystallization. Lithi-Tek® 4500 is a uniquely transparent formula containing a proprietary blend of enzymes and surfactants that aide in accelerating a deeper penetrating disbursement. Thus eliciting a more effective, uniformed chemical reaction between the formula and the concrete / masonry substrate it's being applied to. Lithi-Tek® 4500 treats and seals from the inside out; strengthening the concrete as well as providing a seal that will not chip, flake, delaminate or breakdown with UV light exposure.

Recommended Applications

- Use as a primer prior to using the Siloxa-Tek® 8500 to increase adhesion and performance.
- Use prior to polishing floors.

Advantages

- Increases abrasion resistance and strengthens concrete up to .50.
- Supplied concentrated, makes 2 gallons.
- Protection from ASR.
- UV resistant.
- Reduction of dirt pick-up.
- Reduces risk of efflorescence.
- Protection against micro-organism growth.
- Effective penetration depth.
- Seals pores and capillaries while remaining breathable.
- No change in appearance of the substrate; the treated surface does not become glossy.
- Tack free, durable finish.
- No formation of harmful by-products.
- Easy to apply.
- 100 year warranty*

Technical Information

New Concrete: New concrete must be cured 28 days.

Application Temperature Limits: 45°F to 90°F.

Reconstitution Ratio - Sealer : Water: 1:1.

Number of Applications Required: One coat.

Coverage: Up to 750 sq. ft. per gallon per coat.

Drying Time: 24 hours for a full cure.

Painting or Coating Preparation: Wait 7 days before sealing, coating or painting.

Color: Dries clear.

Sheen: Natural Finish.

Maintenance: Occasional cleaning as needed.

Storage/Shelf Life: Twelve months in an unopened container when stored between 50-80 degrees F.

VOC's: 0 g/L

Application Notes

- Do not use on extremely porous concrete or masonry such a hollow concrete block.
- Do not over apply. Excess material may result in a white residue or discoloration.
- Do not apply to a surface that has been previously treated or sealed.
- Prevent from getting on glazed and finished surfaces such as glass, aluminum etc. In case of contact flush immediately with water.
- Protect surfaces from equipment leaks or other leaks such as oil, hydraulic fluid etc.

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Precautions

Avoid contact with skin, eyes and clothing. No respirator is needed when applying this product. Wash hands after use and do not take internally. Please refer to the product Material Data Safety Sheet (MSDS) before using.

Preparation

The preparation process should be followed to ensure adequate penetration and optimum performance. The concrete substrate must be structurally sound, thoroughly dry and clean. Remove all paints, sealers and/or adhesives before application. The substrate must be clean of oil, grease, dirt, wax, curing compounds, efflorescence and other contaminants that might interfere with the penetration of the sealer. If acid is used to clean the concrete, neutralize the surface completely and rinse it with water prior to application. New concrete must be cured at least 28 days.

Application

Test the sealer in an inconspicuous area to ensure the desired coverage and appearance is achieved. Make sure the entire surface is completely dry and free of dust, dirt and debris. Cover all surrounding areas not intended to be coated. Stir the material before using. Apply with a low pressure, high volume pump sprayer, brush or roller. Apply until the surface is saturated but not to the point of puddling. Do not over-apply. If over-spray occurs it should be cleaned and removed immediately after sealing. Apply one coat to ensure complete coverage. Please note: Lithi-Tek® 4500 is a concentrated solution that needs to be reconstituted with water prior to application. 1 part water to 1 part Lithi-Tek® 4500. Roll or broom out any puddles until the sealer penetrates into the substrate.