

# LITHI-TEK® LS 9500

## Technical Data Sheet

Lithi-Tek LS® 9500 is an advanced, high performance, industrial strength, penetrating concrete and masonry waterproofing sealer / vapor barrier solution designed to reduce water and moisture intrusion. This unique formula incorporates leading molecular nanotechnology, putting an end to water and moisture migration through any porous cementitious substrate. Lithi-Tek LS® 9500 is a uniquely transparent, blended formula with added 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 LS 9500 provides a hydrophobic barrier beneath the surface and seals out moisture while remaining highly vapor permeable and chemically bonding with the substrate. The treated surfaces will show no change in visual appearance from application and the surface that will not chip, flake, delaminate or breakdown with UV light exposure.

### Recommended Applications

- Use on any concrete based substrate excluding bricks and concrete blocks.

### Advantages

- Increases abrasion resistance and strengthens concrete up to .50.
- Prevention from ASR by preventing the ingress of water.
- Prevents further damage to reinforced concrete by limiting the substrate water content.
- Alkali resistant.
- UV resistant.
- Reduces vapor transmission.
- Reduces hydrostatic pressure.
- Water beading (water repellent effect).
- 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.
- No VOC's
- Supplied concentrated.
- Makes 5 gallons.
- Easy to Apply.
- 100 year warranty\*

### Technical Information

**New Concrete:** Can be used on new concrete.

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

**Reconstitution Ratio - Sealer : Water:** 1:4.

**Number of Applications Required:** Two coats.

**Amount of Time in Between Coats:** 5 minutes.

**Coverage:** Up to 1000 sq. ft. per gallon per coat.

**Drying Time:** 24 hours for a full cure.

**Painting or Coating Preparation:** Do not apply another sealer or coating except multiple coats of this product.

An oil or enamel based paint may be used 7 days after sealing.

**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.
- 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. 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. The surface-zone moisture content of the concrete should not exceed 4 wt%. 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 two coats wet-on-wet to ensure complete coverage. Please note: Lithi-Tek® LS 9500 is a concentrated solution that needs to be reconstituted with water prior to application. 4 parts water to 1 part Lithi-Tek® LS 9500. Roll or broom out any puddles until the sealer penetrates into the substrate.