

Lithiseal Plus

FOR PROFESSIONAL USE ONLY

PACKAGING 20Litre plastic pail

DESCRIPTION Lithiseal Plus is a super fine particle, Lithium stabilized colloidal silica intended for use in treating concrete will penetrate deeper and faster reaction than standard Lithium densifiers, designed as a treatment to harden concrete walls and floors to increase the nominal service life of the concrete and reduce ongoing floor maintenance costs. Lithiseal Plus is usually used during the grinding and polishing process of architectural concrete to produce terrazzo-like floor finish. The application of Lithiseal Plus will dramatically increase the abrasion resistance, surface compressive strength and help reduce dusting.

FEATURES

- Fast reaction time of 1-2 hours
- Deep penetrating liquid hardener
- Prolongs the serviceable life of the “problem” concrete floors before resurfacing is required.
- Helps protect concrete surfaces by hardening concrete surfaces, providing increased durability and resistance to abrasion.
- Higher reactivity with Calcium Silicate Hydrate (CSH) in the concrete when compared to other Sodium or Potassium Silicates.
- Cost Effective Solution

APPLICATION

MATERIAL SAFETY DATA SHEET MUST BE READ BEFORE OPENING THIS PRODUCT.

PREPERATION & CLEANING

Correct surface preparation is essential to ensure a successful application. Surfaces must be dry and absorbent, free from oil, grease, paint, curing compounds and other contaminant. Lithiseal Plus is highly alkaline and can react with glass and aluminum. Ensure adjacent surfaces are masked and protected from overspray or spills, Lithiseal Plus can be applied on green concrete, and will help reduce the effects of efflorescence on coloured poured concrete.

INITIAL GRINDING

If grinding or polishing the floor it recommended getting an initial surface profile of 80 – 200 grit before the application of Lithiseal Plus. If the concrete substrate is contaminated with oil, grease or other substances after the initial grinding the surface should be thoroughly cleaned before continuing.

APPLICATION

For hardening grinding and dust reducing concrete flooring. Apply Lithiseal Plus using a pump type sprayer, product should be diluted 2 water to 1 Lithiseal for existing concrete and 3 water to 1 Lithiseal Plus for fresh or green concrete, apply a coat of Lithiseal Plus at a rate of approx. 5 - 8 m²/L, for deeper penetration into the concrete a second coat may be needed, Redistribute any excess Lithiseal Plus with a soft broom allowing the material to dry uniformly. For extra porous areas additional Lithiseal Plus should be added allowing the substrate to maintain a wet look for 15 -20 minutes. Redistribute any excess Ultra Lithiseal Plus with a soft broom allowing the material to dry uniformly.

POLISHING

After completing the '**PREPERATION & CLEANING**' stage and the '**INITIAL GRINDING**' stage is complete apply the Lithiseal Plus to the concrete, as above application, grinding can continual 1-2 hours honing and polishing progressively with finer diamond resin pads (400 – 1500 grit) until you have reached the desired finish.

LIMITATIONS

Lithiseal Plus is not a membrane-forming curing compound. While Lithiseal Plus may aid with the curing of the concrete it does not comply with ASTM C 309 requirements and is no substitute for proper curing procedures.

Lithiseal Plus is a very small particle densifier and should not leave a residue on the concrete surface. Should you get residue deposits from pooling these are difficult to remove. This residue can only be removed by mechanical means.

CLEANING

Clean equipment promptly after use with clean water.

COVERAGE RATE

Coverage will vary greatly depending on the porosity and texture of the surface of the concrete and its age. It is recommended to apply Lithiseal Plus at a rate of 5 - 8 m²/L.

SHELF LIFE

Under normal storage conditions in unopened containers, this material would have a shelf life of 2 years from date of manufacture

PRECAUTIONS

- Lithiseal Plus is strongly alkaline. Avoid contact with skin and eyes. Wear protective goggles, impervious footwear and gloves when handling
- If poisoning occurs seek medical advice. If swallowed, do not induce vomiting, give glass of water
- Refer to Material Safety Data Sheet for full safety and First Aid instructions.

PRODUCT WARNING

On-Crete Australia Pty Ltd has no control over the use or storage of this product and therefore does not accept any liability in this regard. Any verbal advice given should not be regarded as authoritative information. This information is subject to change without notice, therefore all applicators should ensure they have current information. This product is intended for the use only of skilled tradesmen and where applicable, statutory licensed tradesmen experienced and trained in the use of this product. This product is warranted to be of uniform quality within the manufacturer's tolerance. This manufacturer has no control over the use or misuse of this product, therefore no warranty rests or implied, is or can be made either as to the effects of such use. The manufacturer's obligations shall be limited to replacing product proving to be defective.