



PRODUCT TECHNICAL DATA SHEET

LITHIUM DENSIFIER

Advanced Coating Systems

SEALER, HARDENER, DENSIFIER

GENERAL PRODUCT DESCRIPTION

Lithium Densifier is an environmentally friendly treatment to concrete that reduces alkalinity, dusting, and improves abrasion resistance. Lithium Densifier is a non-soluble Lithium Silicate penetrating densifier that reacts with soluble components in the concrete forming a harder surface, thus enhancing the grinding and polishing process of concrete. When properly applied Lithium Densifier will not leave any surface residue.

ADVANTAGES

- V.o.c. = 0
- Improved Chemical and Water Resistance
- Improved Abrasion Resistance
- Non-Whitening
- Reduction of Alkalinity
- Extended Floor Life
- Environmentally Friendly
- User Friendly
- For Interior and Exterior Use
- Non Asr Reactive

APPLICATIONS

- Warehouse Floors
- Commercial Buildings /Walkways
- Manufacturing Plants
- Cold Room / Freezer Floors
- Grind/Seals And Concrete Polishing

APPLICATION PROCESS

Lithium Densifier works best with concrete that has been ground to a minimum grit of 30 resins. The product has an application rate of approximately 300-500 sq.ft/gal. The application rate varies in accordance to the porosity of the surface. Non-treated floors typically require more material than previously densified surfaces.

1. Prepare the concrete by grinding it to between 30-800 grit to ensure a more porous surface. If polishing concrete, it is typically installed before the last or second to last cut.
2. Mix Lithium Densifier before applying on the floor.
- 3 Using a fine mist, pump sprayer, apply Lithium Densifier evenly to insure uniformity to the surface at a rate of approximately 400-500 sq ft./gal. Previously densified slabs will require less material than untreated concrete. Evenly brush out puddles before the material hardens.

Be sure to clean the pump sprayer when finished, as the material may harden and damage the equipment.

4. Allow the material to remain on the surface for approximately 30 min. Apply more material as needed to keep a uniformly wet surface for the 30 min. Do not let any area dry out during this time.
5. Once Lithium Densifier dries and has penetrated the surface begin to grind and polish the surface until achieving the desired finish.

*Note: If a wet polishing method is being used, we recommend an auto scrubber and water which will help remove residual slurry between cuts.

PACKAGING

Lithium Densifier is available in a 5 gallon container.

MAINTENANCE

In order to maintain floors, wash and scrub routinely with neutral pH cleaners and water. Do not use acidic or citrus cleaners.

CLEANUP

Lithium Densifier while in a liquid state may be cleaned up with soap and water. Allow any waste material to dry out and solidify, then dispose of according to local regulations. Do not pour into storm drains or sewer systems.

WARRANTY

ONYX products are warranted for 1 year after date of manufacture. Please refer to the ONYX Concrete Coating's Limited Material Warranty for additional clarification.

SAFETY

Consult Lithium Densifier safety data sheet. Avoid Lithium Densifier contact with skin. Lithium Densifier is alkaline and may cause skin and eye irritation. Flush affected areas with clean water. Always wear protective eyewear, clothing, and gloves. Safety always comes first.

PRODUCT LIMITATIONS

Always read the ONYX PRODUCT LIMITATION GUIDELINES prior to installation.

Information expressed in this data sheet is correct to the best of our knowledge. The technical data sheet does not constitute a warranty, expressed or implied as to the performance of this product. The use and application of this product is beyond our control. Warranty and liability therefore is limited to the replacement only for defective materials. Technical information is subjected to change without cause nor notice. Consult the ONYX website to confirm this is the most current issue date of the data sheet as information is subject to change.