



**Method statement of Lithium Densification process followed by 9 steps
diamond polishing as per
BGSB Concrete Solution's Pvt. Ltd. Guidelines.**

A. Surface Preparation

Thoroughly clean the top surface of the concrete floor with water using buffing machine (if required) and cleaning pads and remove extra dust or debris from the top surface. If curing compound was applied on the floor; then applicator should make sure that it has been removed. Surface preparation to be done by using resin bond diamond pads 60-100-200 with water (Wet Grinding).

B. Application Process

1. Start applying the Lithium Densifier on the prepared surface in uniform quantity (50-60sqft. Per litre approx.) with a mechanical scrubber or broom to achieve maximum penetration of the liquid. This will help to reduce the porosity of the concrete.
2. Keep surfaces wet with Lithium Densifier for a minimum of 30 minutes and continue application for 30minutes.
3. Leave the surface for about 12-24 hrs. This will help to achieve denser surface before starting the next step of diamond polishing system.
4. Clean the surface thoroughly with clean water and remove all solution from the floor by squeegee or wet vacuum.
5. Now surface is ready for the next step diamond polishing system.
6. Next three steps (400- 800- 1000) to be run with clean water. These three steps help to remove the soft/ loose dust from the top surface and helps to achieve the dense surface of the concrete floor.
7. Last three steps (1200- 1500- 3000) help to achieve sheen on the floor, these steps should run dry.

Now floor is ready to be used. BGSB recommends starting using floor after 24hrs of the application process.

C. Maintenance

Good housekeeping is required to maintain the treated floor, such as mechanical scrubbing, dry/wet mopping with neutral cleaners can be used to retain same gloss level achieved initially with densification process.

NOTES:

- A. Consumption of the Lithium Densifier may vary from above mentioned quantity depending upon the concrete surface.
- B. Sheen on the floor may vary site to site. BGSB offer sample preparation before start of work to get approval from the customer.
- C. BGSB team will follow all PPE rules and other compliance of site at all time.
- D. **Hard broom or mechanical broom with hard bristles not to be used for regular cleaning maintenance purpose.**