



## Densilith® Original

### 100% Lithium Silicate Densifier for Concrete

Densilith® Original is a 100% Lithium Silicate based densifier and surface hardener for concrete. Treated surfaces resist dusting and have improved abrasion resistance, and as such are much easier to maintain.

The penetrating reactive lithium silicate produces insoluble lithium calcium silicate hydrate within the concrete pores. This improves surface hardness and abrasion resistance to simplify maintenance and improve surface durability. For polishing applications, the dense surface takes a polish quicker, easier and more uniformly improving reflectance and gloss, while reducing wear on the tools.

- **Easy to apply**
- **Penetrates quickly and deeply**
- **Reacts rapidly**
- **Improves abrasion resistance**
- **Prepares surface for high gloss diamond polishing**
- **Polishes easily and quickly**
- **Reduces time and tool wear of diamond polishing operations**
- **Breathable finish**
- **Will not yellow, discolour, peel or flake**

### TYPICAL TECHNICAL DATA

Form	Clear Liquid
Specific Gravity	1.05 – 1.10
pH	10.5 – 11.5
VOC Content	0 g/L
Viscosity	5 – 25 cP
Application Temp	5 – 35°C
Coverage	15 – 20 sqm/L
Shelf Life	Up to 2 yrs in unopened containers

### PREPARATION

Protect all surrounding surfaces from product splashing, run-off, and overspray etc. Cured Densilith® Original is almost impossible to remove from glass or absorbent surfaces. Use polyethene or similar protective cover as required.

### APPLICATION

Supplied ready for use, do not dilute or mix with other materials.

#### Power-floated Concrete

Densilith™ Original can be applied to existing power-floated concrete to improve abrasion resistance, ease of maintenance and reflectance. Surface must be clean, dry and uniformly absorbent. Existing sealers, curing membranes etc must be removed. Apply Densilith™ using a low-pressure sprayer, apply a single coat without producing puddles and spread evenly with a clean microfiber pad. If necessary, apply more product to ensure surface remains wet for 5-10 min. Allow treated surfaces to dry (depending on conditions typically within 1-2hrs). Once dried the floor may be dry buffed or burnished with a suitable orbital floor polisher equipped with an appropriate polishing pad.

#### Ground or Honed Polished Concrete

Perform initial grinding steps to the concrete as needed, to achieve desired exposure. Scrub and wet vac the floor to remove all dust and allow wet surfaces to dry. Apply Densilith™ using a low-pressure

sprayer, apply a single coat without producing puddles and spread evenly with a clean microfiber pad. As product is absorbed into surface, apply additional product as needed until floor starts to reject the product. Continue to apply and spread more product to ensure the floor remains wet for 10-15 minutes. Then allow concrete to dry. Grind up to a 400-resin bond diamond or equivalent. At this stage an additional light application of Densilith™ Original can be beneficial. Again, allow to dry fully before completing the polishing operations to the desired grit level.

Floors are immediately ready for use once dry.

For best results protect the surface with a coat of Densilith® Protect StainGuard.

### CLEANING

Tools and equipment should be cleaned with water before the product dries. Over spray or spillages, would be washed off glass, aluminium, polished or other surfaces immediately fresh water.

### MAINTENANCE

Regular maintenance cleaning will improve surface shine. Remove surface dust and debris daily using a microfiber pad or dry dust mop. Dry buff with a high-speed burnisher to refresh gloss. Do not use acidic cleaners. Clean up spills quickly to minimize any potential for damage. Though protective treatments simplify maintenance of concrete floors, all spills must be cleaned up in a timely manner.

### RESTRICTIONS

Always carry out a small trial area to confirm suitability, coverage rate, absorption rates etc before starting overall application. Allow surface to fully dry before inspection and approval. Do not allow to puddle or puddles to dry on surface. Floor and ambient temperature must be above 5°C. For Professional Use Only.