

TECHNICAL DATA SHEET**BETON GUARD LITHIUM PRO****PRODUCT DESCRIPTION:**

BETON GUARD LITHIUM PRO: High Performance Industrial Flooring Surface Hardener and Protective Clear Coat is a "Micro Film Forming Hybrid Inorganic / Organic Nano Lithium™ Surface Treatment" that hardens and seals concrete floors, producing a very hard, dust repellent, chemical resistant and water tight surface.

KEY BENEFITS:

- Combines the durable protection of a penetrating densifier with the attractive finish of a high performance glossy clear coating.
- Creates a stronger, more impenetrable, and better-looking finish (satin-glossy) that is dust-proof, resistant to staining (oils and many acids) and deterioration.
- High Performance treatment produces a tough coating for high abuse areas (chemical exposure, impact, or abrasion) that is also an attractive finish that is easy to maintain.
- Rapidly cures into durable finish for facilities that require maximum protection and little to no-downtime.
- Tenaciously bonds and reacts with concrete forming a durable insoluble bond with the concrete.
- Forms a protective "micro surface layer" that is breathable, dense and abrasion resistant that will not peel or flake.
- Reduces maintenance, cleaning costs and costly repairs. Simply damp mop or machine scrub.

USE & TECHNICAL SPECIFICATIONS COVERAGE /

TREATMENT YIELD* 37-74m²/L on smooth surfaces *Coverage rate will vary with concrete quality and finish. **DRYING TIME** 1-2 hours. **NOTICE VERY IMPORTANT:** 1) (Application by "micro fiber applicator" and "micro fiber pad" when applying to new or old concrete.) 2) (Always test each concrete surface for suitability and desired results. Let surface dry before inspection and approval of desired application.)

APPLICATION PROCEDURES:

Step 1. Cleaning: **BETON GUARD LITHIUM PRO** may be applied to existing, cured concrete of any age. Thoroughly clean all surfaces. Mechanically remove any surface laitance and patch or fix cracks and damaged areas. Remove all membrane forming curing compounds, sealers, oil, grease, dirt, dust, drywall residue and other contaminants. We recommend thoroughly cleaning the surface with black scrubbing pad (light abrasion) and a neutral pH detergent. We do not recommend etching the surface with an acidic solution because it requires thorough rinsing using a neutral pH cleaner to effectively neutralize the surface (if not properly neutralized the pH may cause whitening.) For best results, clean the surface by sanding the floor with a 60-100 grit sanding screen or diamond abrasive pad. Remove, dust and residue with riding or walk-by "scrubber" using water or broom then water rinse and squeegee surface dry. Avoid using cleaners with citrus (d-limonene) or Butyl compounds.

Step 2. IMPORTANT! (Allow the surface to dry before proceeding.)

Step 3. Mix, Shake or Stir thoroughly before applying. Apply **BETON GUARD LITHIUM PRO** using a micro fiber pad or similar, spreading material thinly and evenly so as to completely cover the substrate. Spread at a rate of 37-74m²/L depending on porosity of the surface. Repeat this step as needed until the desired results are obtained. This step is to build a stain resistant micro-film over the substrate. Allow each application to dry at least 30-60 minutes (very important!) before reapplying next coat. Do not over apply. It is critical to apply very thin multiple coats. If applied too thick it will cure improperly and discolor or whiten!

Buffing between applications with a hogs hair pad and a high speed burnisher will improve sheen and curing speed.

Hazard statements:

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.

Precautionary statements:

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

PROPERTIES

Physical state: Liquid

Colour: White

Odour: Odourless

Test method

pH-Value (at 20 °C): approx. 11

Changes in the physical state

Boiling point: approx. 100 °C

Flash point: n.a.

Lower explosion limits: n.a.

Upper explosion limits:

Ignition temperature: n.a.

Vapour pressure: (at 20 °C) approx. 22 hPa

Density (at 20 °C): 1,106 g/cm³

Water solubility: (at 20 °C) > 95 % g/L

PACKAGING

5 or 25 Litre

SAFETY HEALTH INFORMATION

Remove contaminated soaked clothing immediately. If you feel unwell, seek medical advice. No specific precautions required.

General information: Take affected person into fresh air. Wash mouth and nasal passages with water. If symptoms develop, seek medical attention.

After inhalation: In case of contact with skin wash off with soap and water. Consult a doctor if skin irritation persists.

After contact with skin: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lens. Seek medical treatment by eye specialist.

After contact with eyes: Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. Call a physician immediately.

Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet (MSDS).

This information corresponds to our actual knowledge. Nevertheless, as product use conditions are out of our control, we can't take responsibilities of incorrect use consequences. We recommend doing a previous test with the product, where it wants to be applied, to evaluate the results.

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