

## ➤ Product Description

Concreation Canada Inc. CCI-1000 LithiCon 15 Concrete Floor Densifier is a premium sealer, hardener and densifier for concrete surfaces. This deeply penetrating lithium silicate treatment penetrates and reacts with the concrete to produce insoluble calcium silicate hydrate within the concrete pores.

Treated surfaces resist damage by water, chemical attack or surface abrasion. The surface sheen imparted by CCI-1000 LithiCon 15 Concrete Floor Densifier reduces dusting and simplifies maintenance producing a cleaner, healthier environment.

Safer and easier to apply than conventional sodium or potassium silicate hardeners, CCI-1000 LithiCon 15 Concrete Floor Densifier will not trigger or contribute to surface ASR (Alkali Silicate Reaction).

## ➤ Benefits

- Easy, one step application. No scrubbing. No flushing. No caustic wastewater.
- May be applied to broom finished, steel troweled, power troweled or burnished concrete finishes.
- Penetrates and reacts quickly to produce better initial and ultimate hardness.
- Provides better abrasion resistance than conventional hardeners.
- Improves performance, appearance and light reflectance of new or old concrete.
- Will not contribute to surface crazing. High lithium content combats surface ASR.
- Lithium will not absorb water or contribute to floor sweating.
- Gloss and hardness do not reduce slip resistance.
- Breathable and UV stable. Will not yellow, discolor, peel, or flake.
- VOC Compliant. Non-flammable. Non-toxic. Low odor.
- Reduces application time and costs of diamond polishing operations.
- Cures quickly. Most floors can be opened to traffic within one hour of treatment.
- Treated surfaces are easy to maintain.
- Produces a fast surface gloss, which improves with traffic and maintenance.

## ➤ Application

- CCI-1000 LithiCon 15 Concrete Floor Densifier is to be applied to interior finished and polished concrete.
- One to two coats of the CCI-1000 LithiCon 15 Concrete Floor Densifier can be applied to concrete surfaces depending on porosity.
- CCI-1000 LithiCon 15 Concrete Floor Densifier should be applied with a sprayer followed with a microfiber applicator.
- Once the treated surface has dried any dry powder residue should be removed with a floor machine or auto scrubber.
- Surfaces may be further polished or CCI-1000 Teflocon Concrete Floor Finisher may be applied for an additional layer of protection.

## ➤ Limitations

- Protect people, vehicles, property, plants and all surfaces not designated to receive CCI-1000 LithiCon 15 Concrete Floor Densifier from the product, splash and wind drift. Use polyethylene or other protective material.
- Do not apply to surfaces which are frozen, dirty or have standing water. Surfaces must be clean, dry and absorbent. Confirm surface absorbency with light water spray. Surfaces designated for treatment should wet uniformly. If the surface does not, use CCI-750 Cleaner or mechanical process to remove surface contaminants.
- CCI-1000 LithiCon Concrete Floor Densifier is ideal for application to existing, cured concrete of any age. Surface must be clean and structurally sound. Remove all foreign materials including bond breakers, curing agents, surface grease and oil, and construction debris.

### ➤ Packaging

CCI-1000 LithiCon 15 Concrete Floor Densifier is available in 18.9 L (5 Gallon) pails or 3.8 L (1 Gallon) jugs.

### ➤ Coverage

Uncured, Steele-Troweled Concrete:

20 to 24 Square Meters per Liter (800 to 100 Square Feet per Gallon)

Cured, Steel-Troweled Concrete:

15 to 20 Square Meters per Liter (600 to 800 Square Feet per Gallon)

Cured, Grounded/Honed concrete:

12 to 17 Square Meters per Liter (500 to 700 Square Feet per Gallon)

### ➤ Storage and Shelf Life

- Keep at a temperature not exceeding 50°C
- Do not allow material to freeze.

### ➤ Technical Data

Colour	Clear
Clarity	Clear, Water like
Bulk Density	1.1 KG/L (9.2 LBS/GAL)
VOC (Low Solids Coating)	<20 G/L
Freeze/Thaw Stability	No
Mechanical Stability	Yes

### ➤ Cautions

- This product will react with aluminum, zinc, tin and their alloys evolving hydrogen gas which can form an explosive mixture with air.
- Can react violently if in contact with acids.
- Can react with sugar residues to form carbon monoxide.

### ➤ Limited Warranty

#### NOTICE - READ CAREFULLY CONDITIONS OF SALE

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