

LithiCon 15

Preparation

Step 1

Protect people, vehicles, property, plants and all surfaces not designated to receive Concreation WB LithiCon 15 Densifier from the product, splash and wind drift. Use polyethylene or other proven 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 a light water spray, surfaces designated for treatment should wet uniformly. If the surface does not wet uniformly, use the Concreation 700 Cleaner and Concreation 750 Cleaner or mechanical process to remove remaining surface contaminants.

Concreation WB LithiCon 15 Densifier is ideal for application to existing, cured concrete of any age. Surfaces must be clean and structurally sound. Remove all foreign materials including bond breakers, curing agents, surface grease and oil, and construction debris using Concreation 700 Cleaner and Concreation 750 Cleaner.

Step 2

Surface & Air Temperatures for application should be 4-38°C. Apply with Chapin sprayer, mop or a soft-bristled push broom. Variations in concrete quality, porosity, job site conditions, temperature and relative humidity will affect coverage rates and drying times. Use the coverage rate best suited for your needs.

Uncured, Steel Troweled Concrete:	800-1000 sq. ft. per gal
Cured, Steel Troweled Concrete:	600-800 sq. ft. per gal
Cured, Ground/Honed Concrete:	500-700 sq. ft. per gal

Freshly Placed, Uncured Steel-Troweled Concrete

Step 1

After final finishing, soft cut control joints.

Step 2

Clean concrete of any dirt, residue or soft cut saw debris.

Step 3

Using a Chapin sprayer fitted with a 0.5 gpm spray tip, apply a single coat of Concreation WB Lithi-Con 15 Densifier. Apply sufficient material to wet the surface without producing puddles. Use a clean, soft-bristle push broom or microfiber pad to spread product evenly and ensure uniform wetting. Avoid spreading once drying begins. Scrubbing is not necessary. If surfaces dry immediately, apply more product. Surface should remain wet for 5-10 minutes. Adjust rate of application to eliminate puddles. Allowing excess material to puddle on the floor will extend dry times and create white residues, which must be removed immediately.

Step 4

Allow treated surfaces to dry.

Step 5

Immediately apply the specified curing compound or initiate the specified curing procedure.

Step 6

When the curing process is complete, use an automatic floor scrubber equipped with cleaning pads or brushes appropriate for removal of accumulated construction soiling and surface residues. Avoid pads or brushes, which may damage the finished floor. This procedure will further enhance the surface sheen produced by Concreation WB LithiCon 15 Densifier. For additional shine and protection, apply Concreation WB Acrylic w/ Teflon Floor Finish or Concreation WB AcryliSil w/ Teflon Floor Finish according to label instructions.

Cured, Steel Troweled Concrete

Step 1

Remove all dirt, debris, or curing compounds using Concreation 750 Cleaner. Allow cleaning waters used in surface preparation to dry.

Step 2

The prepared surface must wet uniformly. Confirm surface absorbency with a light water spray. In hot, dry weather, pre-wet the concrete with fresh water. Allow any standing water to evaporate.

Step 3

Apply a single coat of Concreation WB LithiCon 15 Densifier using a Chapin sprayer fitted with a 0.5 gpm spray tip. Apply sufficient material to wet the surface without producing puddles. Use a clean, soft-bristle push broom or microfiber pad to spread product evenly and ensure uniform wetting. Avoid spreading once drying begins. Scrubbing is not necessary. If surfaces dry immediately, apply more product. Surface should remain wet for 5-10 minutes. Adjust rate of application to eliminate puddles. Allowing excess material to puddle on the floor will extend dry times and create white residues, which must be removed immediately.

Step 4

Allow treated surfaces to dry.

Step 5

Remove any dried powder residue using stiff broom, power sweeper or floor scrubbing machine.

Step 6

For immediate, enhanced shine, buff or burnish the dry concrete surface in both directions using an orbital floor machine or burnisher equipped with an appropriate polishing pad. This is a dry buffing operation. For additional shine and protection, apply Concreation WB Acrylic w/ Teflon Floor Finish or Concreation WB AcryliSil w/ Teflon Floor Finish according to label instructions.

Cured, Ground/Honed Concrete

Step 1

Sand, level or grind the concrete surface with a floor sander, orbital floor machine or diamond grinding as needed to achieve desired exposure.

Step 2

Remove all dust and debris using a floor scrubbing machine and fresh water. Remove any remaining surface contaminants using Concreation 750 Cleaner. Allow wet surfaces to dry.

Step 3

Apply a single coat of Concreation WB LithiCon 15 Densifier using a Chapin sprayer fitted with a 0.5 gpm spray tip. Apply sufficient material to wet the surface without producing puddles. Use a clean, soft-bristle push broom or microfiber pad to spread product evenly and ensure uniform wetting. Avoid spreading once drying begins. Scrubbing is not necessary. If surfaces dry immediately, apply more product. Surface should remain wet for 5-10 minutes. Adjust rate of application to eliminate puddles. Allowing excess material to puddle on the floor will extend dry times and create white residues, which must be removed immediately.

Step 4

Allow treated surfaces to dry.

Step 5

Remove any dried powder residue using stiff broom, power sweeper or floor scrubbing machine.

Step 6

If additional surface sheen is desired, buff or burnish the concrete surface in both directions with an orbital floor machine or burnisher equipped with an appropriate polishing pad. This is a dry buffing operation. For additional shine and protection, apply Concreation WB Acrylic w/ Teflon Floor Finish or Concreation WB AcryliSil w/ Teflon Floor Finish according to label instructions.

Cured and Polished Concrete

Step 1

Follow steps 1-5 listed above for Honed Concrete. Using progressively finer abrasives, continue diamond polishing in consecutive steps to achieve the desired finish. Remove all polishing dust and debris. For additional shine and protection, apply Concreation WB Acrylic w/ Teflon Floor Finish or Concreation WB AcryliSil w/ Teflon Floor Finish according to label instructions.