

# ArmorGuard Li

## LITHIUM INDUSTRIAL MICRO COATING

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Proper surface preparation and product application is essential to product performance. For optimum results, please read instructions in full and contact our Technical Support department at (800) 305-9144 for additional customized instructions prior to application.

For enhanced performance, we recommend the application of one of the following DuraGloss™ formulations following the application of **ArmorGuard Li™**, using the optional instructions provided below:

<b>DuraGloss Li 50+™</b>	Interior Surfaces/High Gloss/24-hour Cure Time
<b>DuraGloss Li 30+™</b>	Interior Surfaces/Satin Finish/72-hour Cure Time
<b>DuraGuard Exterior Li™</b>	Exterior Surfaces/Matte-Satin Finish/2-hour Cure Time

### EQUIPMENT NEEDED FOR APPLICATION

- Mechanical mixer or paint-mixing tool mounted in a drill motor
- Mechanical sprayer
- 100% polyester microfiber pads
- SealSource® diamond-impregnated pads
- Floor burnisher (minimum of 1500 RPMs)

### SURFACE PREPARATION

ALLOW NEW CONCRETE TO CURE FOR A MINIMUM OF 14 DAYS PRIOR TO APPLICATION.

1. Patch or fill any cracks or other surface damage.
2. Remove any membrane-forming materials, dirt, debris, wax, paint, curing compounds, coatings, or other surface contaminants that may interfere with penetration or adhesion.
3. Apply a test sample to a small area to assess adhesion.
4. To allow proper penetration create a rough surface profile using shot blast, diamond grinding to a 70 resin grit level, acid etch or similar. Sweep and scrub surface with water, using a neutralizing agent if chemical preparation has been used.
5. Sweep area to be treated and scrub clean with water to remove any remaining contaminants, dirt, and dust caused by grinding. Allow surface to dry completely prior to application.

## PRODUCT APPLICATION

Please note that coverage rates may vary depending on surface porosity, extreme temperatures, or humidity. Additional applications may be necessary to achieve desired results. (if applying **ArmorGuard Li™** with DuraGloss™, please see alternate instructions indicated below.

1. Agitate **ArmorGuard Li™** with a mechanical mixer to ensure color uniformity.
2. Using a low-pressure, pump-up, airless, backpack, or mechanical sprayer, spray out material at 200 sq/ft per gallon (5 m<sup>2</sup> per liter).
3. Allow material to dry for 30 minutes before opening to foot traffic and one hour for forklift traffic.

## PRODUCT APPLICATION (ARMORGUARD LI™ WITH DURAGLOSS™)

Please note that coverage rates may vary depending on surface porosity, extreme temperatures, or humidity. Additional applications may be necessary to achieve desired results.

## INTERIOR SURFACES

1. Agitate **ArmorGuard Li™** with a mechanical mixer to ensure color uniformity.
2. Using a low-pressure, pump-up, airless, backpack, or mechanical sprayer with an approximate tip size of .15-.17, spray out material at approximately 200 sq/ft per gallon (5 m<sup>2</sup> per liter).
3. Allow surface to dry for a minimum of 1 hour or until dry to the touch, then spray on a consistent application of DuraGloss Li 50+™ or DuraGloss Li 30+™ at approximately 1,500 sq/ft per gallon (40 m<sup>2</sup> per liter).
4. Wet out a 100% polyester microfiber applicator pad with the material to avoid streaking, then spread material evenly over surface to achieve a consistent, wet appearance. (If the material appears to be streaking, spray on additional material. If the material has a blue, milky/cloudy appearance, continue to pull out material until it no longer appears blue.)
5. When surface is dry, burnish with SealSource® diamond-impregnated pads using a high-speed floor burnisher (minimum of 1,500 RPMs).
6. Apply a second application of DuraGloss™ as above and burnish when surface is dry. Keep surface dry for the minimum cure time recommended by manufacturer to allow material to cure properly. For best results, immediately wipe up spills and do not allow puddles or standing water to accumulate on the surface for a minimum of 7 days.

## EXTERIOR SURFACES

1. Agitate **ArmorGuard Li™** with a mechanical mixer to ensure color uniformity.
2. Using a low-pressure, pump-up, airless, backpack, or mechanical sprayer, spray out material at approximately 200 sq/ft per gallon (5 m<sup>2</sup> per liter).
3. Allow surface to dry for a minimum of 2 hours until dry to the touch, then spray on a consistent application of DuraGuard Exterior Li™ at approximately 400 sq/ft per gallon (10 m<sup>2</sup> per liter).
4. Wet out a 100% polyester microfiber applicator pad with the material to avoid streaking, then spread material evenly over surface to achieve a consistent, wet appearance. (If the material appears to be streaking, spray on additional material. If the material has a blue, milky/cloudy appearance, continue to pull out material until it no longer appears blue.)
5. When surface is dry, apply a second application of DuraGuard Exterior Li™ as above.
6. Keep surface dry for 1-2 hours following treatment to allow material to cure properly.

## APPLICATION IN EXTREME TEMPERATURES / HIGH HUMIDITY

Apply materials as above, increasing cure time to up to four hours prior to applying DuraGloss™. Surface may take up to 14 days to achieve maximum performance under conditions of extreme temperature or humidity.

## PRODUCT DISCLAIMERS

**ArmorGuard Li™** will not bridge or fill cracks and will not salvage honeycombed or structurally unsound surfaces.

Do not allow **ArmorGuard Li™** to come in contact with any glass, fabric, metal, or surfaces that are not going to be treated with **ArmorGuard Li™**. Immediately wipe contaminated surfaces with a clean, water-saturated cloth, then wipe dry with a second clean cloth.

Do not allow traffic until surface is completely dry.

The fast-drying and extremely durable bonding characteristics of **AmorGuard Li™** and DuraGloss™ will permanently bond to a variety of surfaces and is extremely difficult to remove once cured. It is strongly recommended that areas which could be affected by splatters, splashes, or overspray be masked and protected prior to treatment.

Application and coverage rates are estimated and may vary depending on the porosity of substrate, the desired intensity of color and shine, and environmental conditions present during application (such as extreme temperatures or high humidity). For precise coverage rates, a pre-application field test should be performed.

It is highly recommended that the installer contact our Technical Support department at (800) 305-9144 for customized instructions prior to application. Proper application is the responsibility of the user.

**DO NOT ALLOW SEALSOURCE® PRODUCTS TO FREEZE**