



CITADEL

LITHIUM DENSIFIER

DESCRIPTION AND USES

Citadel® Lithium Densifier is specifically designed for concrete polishing. Applied during the polishing process, this impregnating hardener improves the final appearance by creating a significantly harder surface that allows abrasive tooling to work more effectively to achieve a superior polish.

Lithium Densifier increases gloss and clarity, improves overall abrasion resistance, and reduces dusting. Lithium Densifier is a one-coat application with no brooming or rinsing required during application. It is easy to apply and will not skin, film, discolor, or leave white blemishes. This lithium-based solution is VOC compliant.

PRODUCT FEATURES AND BENEFITS

- Hardens concrete and terrazzo for polishing
- Allow abrasive tooling to work more effectively
- Improves abrasion resistance and reduces dusting
- Preserves the natural look of the surface
- VOC compliant

PRODUCTS

SKU	DESCRIPTION
370983	Lithium Densifier 1 Gallon
370996	Lithium Densifier 5 Gallon Pail

COMPANION CLEANERS

SKU	DESCRIPTION
370984	Clean and Defend 1 Gallon
370997	Clean and Defend 5 Gallon Pail

PRODUCT APPLICATION

READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT

SURFACE PREPARATION

Clean surface to remove any dirt, laitance, curing compounds or coatings that may prevent Lithium Densifier from penetrating. Do not use citrus or acidic cleaners. If acidic or d-limonene cleaners have been used, neutralize the surface using an alkaline cleaner.

NOTE: Before application, always do a small test sample in a less-visible area to be sure there are no variables or contaminants in the substrate that may be incompatible with this product.

PRODUCT APPLICATION (cont.)

APPLICATION

Apply only when air, material and floor temperatures are above 40°F for at least 2 hours following application.

Using a pump sprayer, apply Lithium Densifier evenly on the surface. Keep the surface wet with product for at least 20 minutes, adding more product where needed. After material is no longer wet on the surface, continue grinding and polishing to the intended final surface profile and desired finish.

CLEANUP

Use soap and water to clean tools and equipment. Although Lithium Densifier is nontoxic and environmentally safe, it is alkaline. Use up or dry out extra material and dispose of according to local regulations. Do not pour into sewer systems or storm drains.

MAINTENANCE

Clean with Citadel Clean and Defend or neutral pH cleaners as needed. If additional protection or gloss is desired, apply Citadel Lithium Stain Guard.

LIMITATIONS

Lithium Densifier will not bridge or fill cracks and will not salvage honeycombed or structurally unsound surfaces. Not suitable for asphalt, non-cement surfaces or painted surfaces. Paint and coatings may be applied over the top of Lithium Densifier.

If Lithium Densifier comes into contact with glass, fabric, metal, or painted surfaces, immediately wipe contaminated surfaces with a damp cloth, then wipe dry with a second clean cloth.

**CITADEL****LITHIUM DENSIFIER****PHYSICAL PROPERTIES**

	LITHIUM DENSIFIER
Resin Type	Lithium Polysilicate
Solids By Volume	6%
pH	11-12
Color	Opaque, dries Clear
Odor	Slight to none
Volatile Organic Compounds	<50 g/l
Practical Coverage	300-500 sq. ft. per gallon (7.4-12.3 m ² per liter) Coverage rate will vary with porosity and environmental conditions
Shelf Life	1 year (unopened, sealed container)
Flash Point	NA
CAUTION!	Protect from freezing
Safety Information	For additional information, see SDS

Calculated values are shown and may vary slightly from the actual manufactured material.

The technical data and suggestions for use contained herein are correct to the best of our knowledge and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.

**CITADEL**

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