



CITADEL

CONCRETE DENSIFIER

DESCRIPTION AND USES

Citadel® Concrete Densifier is a liquid concrete floor hardener. Concrete Densifier is a solution of sodium silicates designed to react with the concrete to seal the pores and chemically harden the surface.

PRODUCT FEATURES AND BENEFITS

- Increases abrasion resistance
- Leaves no film that will wear off
- May be applied over stained/dyed concrete
- Improves chemical resistance
- Eliminates dusting
- Increases surface strength
- Resists oil and water penetration
- Treated surface is not slippery

PRODUCTS

SKU	DESCRIPTION
353622	Concrete Densifier 1 Gallon
353632	Concrete Densifier 5 Gallon Pail

COMPANION PRODUCTS

SKU	DESCRIPTION
353638	Concrete Grout Coat 1 Gallon
353639	Concrete Grout Coat 5 Gallon Pail
353623	Concrete Polish Stain Guard 1 Gallon
353633	Concrete Polish Stain Guard 5 Gallon Pail

PRODUCT APPLICATION

READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT

CONCRETE REPAIR

All spalls and cracks must be chased out and repaired to ICRI standards using an appropriate patching material. If patching is required, use Citadel Concrete Repair Compound.

SURFACE PREPARATION

NEW CONCRETE: New concrete should be allowed to cure for a minimum of 7 days. The concrete must be structurally sound, dry, and free of grease, oils, dust, curing compounds and other coatings or contaminants. Surface laitance must be removed. Concrete may be damp, but not puddled.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

PREVIOUSLY COATED: Existing coatings must be removed. The preferred method of surface preparation is to mechanically abrade the floor by diamond grinding. The concrete must be structurally sound, dry, and free of grease, oils, dust, curing compounds and other coatings or contaminants. Surface laitance must be removed. Concrete may be damp, but not puddled.

MIXING EQUIPMENT

Low speed drill and spiral mixing wand.

Important: Hand mixing will produce inconsistent results and is not an approved method.

APPLICATION

Apply only when air, material and floor temperatures are above 35°F and rising at the time of application and relative humidity below 85%. Concrete Densifier is ready to use from the container. Apply a single coat of Concrete Densifier using a low-pressure sprayer, roller, scrub pad or auto scrubber. A mechanical scrubber will increase the penetration and effectiveness of the product. Apply so that coverage results in a uniform wet surface without puddles. Concrete Densifier should soak into the concrete, and any excess material should be removed with a squeegee and not allowed to dry on the surface. Dried product will need to be removed with a grinder.

THINNING

None required.

CLEANUP

Clean tools and application equipment immediately after use with soap and water. Clean spills or drips while still wet with soap and water. Dried product will require mechanical abrasion for removal.



CONCRETE DENSIFIER

PHYSICAL PROPERTIES

		CONCRETE DENSIFIER
Resin Type		Sodium Silicate
Solids By Volume		20-25%
Volatile Organic Compounds		<=5 g/l
Practical Coverage Rate		200-300 sq.ft./gal. Coverage rate can vary depending on the texture and porosity of the concrete
Dry Times at 77°F (25°C) and 50% Relative Humidity	Tack Free	2-4 hours
	Foot Traffic	4 to 6 hours
Shelf Life		2 years
Flash Point		>200°F (93°C)
CAUTION!		Protect from freezing
Safety Information		For additional information, see SDS

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

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