

Independent Laboratory Test Results

Chloride Absorption (Salt Absorption)

CreteDefender™ virtually eliminates the threat of salt, as demonstrated by the low salt absorption rate of concrete treated with CreteDefender. In tests conducted by the H.C. Nutting Company, a leading independent test lab, results for concrete treated with CreteDefender were classified as “Excellent” since the amount of soluble chloride (salt) is extremely low for every sample.

Tests of CreteDefender were performed in accordance with the Modified EPA Method 300.0. Test samples were extracted from concrete that had been exposed to 100+ freeze-thaw cycles in accordance with ASTM C-672. CreteDefender was applied to the samples at a rate of 100 square feet per gallon per application, with two applications, 8 hours apart. Samples were cured at least 24 hours prior to testing.

Lab ID #	mg/kg (ppm)	Chloride (salt) absorption
98-18213	450	0.056%

Other Chemical Tests: Additional independent lab tests were performed using various damaging chemicals, applied to samples treated with CreteDefender according to normal installation instructions. A result of “0” is what is desired for both resistance to the chemical and absorption of it into the concrete.

Chemical	Resistance Untreated	Absorption Untreated	Resistance Treated w/CreteDefender	Absorption Treated w/CreteDefender
Acetone	3	3	0	0
Anti-Freeze	3	1	0	0
Benzene	0	3	0	0
Citric Acid	3	1	0	0
Hydrochloric Acid 28%	3	3	0	0
Kerosene	0	3	0	0
Nitric Acid 70%	2	2	0	0
Paint Thinner	3	3	0	0
Phenol	3	3	0	0
Potassium Hydroxide	0	3	0	0
Sulfuric Acid 50% *	3	3	0	1
Trichloroethylene	3	3	1	0
Xylene	3	3	1	0

All tests performed by H.C. Nutting Company, Testing Engineers

0 = no reaction to slight reaction; 1 = mild reaction; 2 = mild to severe reaction; 3 = severe reaction; *discolored surface—turned white
Duration of test 1 minute +/- 10 seconds for all chemicals applied. Concrete manufactured per ASTM C-672.
CreteDefender applied according to manufacturer's instructions.



For Order Information Contact: **CreteDefender, Inc.**
3090 Helmsdale Place, Suite 220-703, Lexington, KY 40509
www.cretedefender.com • Info@CreteDefender.com • (877) 830-6008

Get CreteDefender™ for Your Property

CreteDefender is a solution that comes in 5-gallon containers and 55-gallon drums. Installation is simple, and doesn't require a lot of equipment. The short version is this: Just spray or roll CreteDefender on clean concrete, and make sure it stays wet for 20 minutes to allow the solution to penetrate and react. Then use a stiff broom or squeegee to move the product around on the surface to keep it from drying out or puddling.

No need to worry about excess solution; simply push it off into the grass or guide it toward the storm sewer. CreteDefender is totally harmless to plants and animals. It will etch glass and stain aluminum, so a bit of caution is needed around thresholds and vertical structures.

How much do I need?

Figuring out how much you need is a simple calculation: area to be covered/rate of coverage x number of coats.

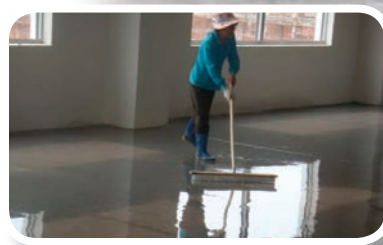
Let's break this down:

A. Area to be covered: To estimate your area to be covered, measure the width and the length, and then multiply the two numbers. For example, a 20 foot by 50 foot driveway would be 1,000 square feet, or 20 times 50. If you have multiple sections, you'll have to calculate the area for each and add them together.

B. Rate of coverage: CreteDefender should be applied at a rate of 125 square feet per gallon. So, divide the area of coverage (1,000 in this example) by the rate of coverage of 125 square feet per gallon (1000/125), which equals 8.

C. Number of coats: On smooth interior concrete, only one coat is needed. For one coat, in this example, you need 8 gallons. However, for all exterior uses, like most driveways, sidewalks, and patios, you need 2 coats for complete protection. (See Installation Instructions) So, multiply 8 times 2, and that gives you 16.

For this example application, you would need 16 gallons. CreteDefender comes in 5-gallon containers, so you need 4 containers.



How much does CreteDefender cost?

CreteDefender comes in 5-gallon containers that cost \$125. That's \$25 per gallon. FedEx ground shipping is \$24.95 per container. For larger jobs, a 55-gallon drum is available for \$1,210, or \$22 per gallon. For commercial jobs, we will provide you with a free estimate, calculate how much you will need, and provide a quote, based on whether you want to apply CreteDefender yourself, or whether you want us to apply it for you.

How do I order?

Contact one of our local distributor/installers.

Or, you can use credit card or PayPal to order CreteDefender online safely through our PayPal processor at www.cretedefender.com

Or, you can call us at 1-877-830-6008 (US and Canada only). Or email us, and we will process the order for you.



For Order Information Contact: **CreteDefender, Inc.**
3090 Helmsdale Place, Suite 220-703, Lexington, KY 40509
www.cretedefender.com • Info@CreteDefender.com • (877) 830-6008