

Application Instructions

PLEASE READ THE INSTRUCTIONS IN THEIR ENTIRETY BEFORE APPLYING CreteDefender.

Failure to follow instructions could result in damage to you or your property.

WARNINGS:

- Wear protective clothing.
- Avoid contact with skin or eyes.
- Do not ingest. If ingested, drink plenty of water and at least 16 ounces of milk if available. Seek immediate medical attention. Do not induce vomiting.
- If using indoors, a vapor rated respirator is recommended in areas without good ventilation.
- DO NOT contact CreteDefender with Aluminum. Flammable Hydrogen gas can be generated.
- DO NOT contact CreteDefender with Glass. It will permanently etch glass.
- If contacted with skin, wash thoroughly with soap and water.
- If contacted with eyes, flush immediately with a steady stream of water for 15 minutes.
- This formula is not subject to special handling defined under Environmental Protection Agency Regulations.
- Do not Re-use the container unless it has been professionally cleaned.

Refer to the MSDS for additional safety and handling information.

Tools you will need:

- A garden sprayer (NON-Aluminum with no aluminum parts), 3/4" nap roller cover and roller, squeegee, or a larger spray rig (give us a call and we'll talk you through your options)
- A stiff broom or deck brush
- Latex, nitrile, or rubber gloves
- Rubber boots (recommended, but an old pair of sneakers will be fine)
- Safety glasses or a face shield
- Long pants and a long sleeved shirt

DO NOT DILUTE this product. It is mixed at the plant and ready to use.

Precautions:

- CreteDefender will etch glass, permanently stain aluminum and create flammable

hydrogen gas if contacted with aluminum. If CreteDefender contacts glass or aluminum, flush the surface IMMEDIATELY with a garden hose for at least 3-5 minutes followed by cleaning with sponge saturated in soapy water. Rinse soap off after cleaning. If this water gets on the concrete you are treating, you will need to halt application in that area, allow the concrete to completely dry (at least 6 hours) and re-apply CreteDefender.

- Do not get CreteDefender on painted surfaces. If painted surfaces are exposed to CreteDefender, flush them immediately with water (you may use a wet cloth to wipe CreteDefender off of painted surfaces).
- Do not apply on a windy day, as the spray could carry onto glass or aluminum surfaces quite a distance from your immediate work area.

Preparation:

Prior to application, remove all debris from the concrete to be treated. Be sure to remove all mud, moss, leaves, dirt, and other debris from the concrete. Wash the concrete if dirt, mud, or other substances are on the concrete. Pressure washing will aid in opening the pores of the concrete, and will allow CreteDefender to penetrate more effectively.

New concrete needs no preparation, but you must be able to walk on the concrete without leaving a mark before application of CreteDefender.

Place all tools and containers of CreteDefender in an easily accessible area.

Application:

Instructions for exterior concrete:

Determine the amount of CreteDefender will be needed for the project. For exterior applications, you will need approximately one gallon for every 100 square feet of concrete, and you will need to perform 2 applications of CreteDefender at that rate. For ordering purposes, order 1 gallon of CreteDefender for every 50 square feet of concrete.

On new concrete, concrete must be cured enough so that you do not leave a mark on it when walking (usually at least 24 hours after placement). Concrete can still be “green,” i.e. not fully cured.

Concrete MUST be dry in order to apply CreteDefender. DO NOT APPLY CreteDefender if the concrete is wet or damp, or if rain is possible in the 24 hours after application is complete.

CreteDefender MUST be applied when the outside temperature is above 38 degrees Fahrenheit, and freezing temperatures are not expected within 24 hours of application. DO NOT apply CreteDefender in temperatures above 90 degrees Fahrenheit.

Sprayer Instructions:

- Pour CreteDefender into a plastic or epoxy-coated garden sprayer or a larger spray rig (contact us and we'll let you know your options for larger rigs.) (DO NOT use an aluminum sprayer!). Pressurize the sprayer and spray CreteDefender onto the concrete, saturating the surface. The surface must remain wet for 20 minutes. If the surface dries in less than 20 minutes, re-apply as needed to keep the concrete wet.
- After 20 minutes, use a stiff broom, squeegee, or deck brush to remove any puddles. (If puddles are left to dry, a hard, white crystalline substance will remain where the puddle was. You will need to pressure wash this to remove it using a 3000psi or greater pressure washer.)
- Allow the concrete to dry completely (at least 6 hours.)
- Keep water off the surface of the concrete for at least 24 hours after each application.
- After the concrete has dried completely (a minimum of 6 hours), perform a 2nd application of CreteDefender in the manner described above. If you wish to wait a day between applications, that is acceptable, so long as you observe the temperature and weather considerations listed.

Squeegee or Roller Application:

(Note: This is a more labor-intensive application process, and will likely require an additional person to assist you in the application.)

You will need a $\frac{3}{4}$ -inch roller cover for application, if using a paint roller.

- Pour CreteDefender either directly onto the concrete, or into a plastic paint tray. Roll or squeegee out CreteDefender to saturate the surface. Do not use sparingly. You will want to use 1 gallon for every 100 square feet. Make sure you cover the entire surface of the concrete. The surface must remain wet for 20 minutes. If dry spots occur, roll or squeegee more CreteDefender on the dry area.
- If you are using a roller, please be careful since the roller will “spray” CreteDefender a long distance, depending on how quickly you are rolling. Be careful not to get this spray onto glass or aluminum.
- After 20 minutes, use a stiff broom, squeegee, or deck brush to remove any puddles. (If puddles are left to dry, a hard, white crystalline substance will remain where the puddle was. You will need to pressure wash this to remove it using a 3000psi or greater pressure washer.)
- Allow the concrete to dry completely (at least 6 hours.)
- No water is allowed on the surface of the concrete for at least 24 hours after each application.
- After the concrete has dried completely (a minimum of 6 hours), perform a 2nd application of CreteDefender in the manner described above. If you wish to wait a day between applications, that is acceptable, so long as you observe the

temperature and weather considerations listed.

Clean-up:

After completing the application, wash all tools thoroughly with soap and water and allow them to dry. Make sure you do not get water on the treated concrete for at least 24 hours after application. Dispose of any roller covers, latex or nitrile gloves. Remove your shoes and allow them to dry before wearing them inside your house. Launder your clothes normally.

If you have questions, or need assistance with any of these instructions, please call CreteDefender, Inc. at (877) 830-6008.

Instructions for Interior application:

(Note: the instructions for interior application are designed for machine troweled concrete e.g. smooth finished concrete. If your interior concrete is broom finished, follow the instructions for exterior concrete, and apply 2 coats.)

Determine the amount of CreteDefender you will need. For interior applications, you will need to order 1 gallon for every 100 square feet of surface you want to protect. Only one application will be needed.

On new concrete, concrete must be cured enough so that you do not leave a mark on it when walking (usually at least 24 hours after placement). Concrete can still be “green,” i.e. not fully cured.

Concrete **MUST** be dry in order to apply CreteDefender. **DO NOT APPLY** CreteDefender if the concrete is wet or damp, or if water is to contact the treated area in the 24 hours after application is complete.

CreteDefender **MUST** be applied when the temperature of the area to be treated is above 38 degrees Fahrenheit, and freezing temperatures are not expected within 24 hours of application. **DO NOT** apply CreteDefender in temperatures above 90 degrees Fahrenheit.

Sprayer Instructions:

- Pour CreteDefender into a plastic or epoxy-coated garden sprayer or larger spray rig (call us and we'll let you know your options.) (**DO NOT** use an aluminum sprayer!). Pressurize the sprayer and spray CreteDefender onto the concrete, saturating the surface. The surface must remain wet for 20 minutes. If the surface dries in less than 20 minutes, re-apply as needed to keep the concrete wet.
- After 20 minutes, use a squeegee to push any puddles around until the product is absorbed. (If puddles are left to dry, a hard, white crystalline substance will remain where the puddle was. You will need to pressure wash this to remove it

- using a 3000psi or greater pressure washer.)
- Allow the concrete to dry completely (at least 6 hours.)
 - Keep water off the surface of the concrete for at least 24 hours.

Squeegee Instructions:

- Pour CreteDefender directly onto the concrete. Use a squeegee to push CreteDefender around the floor to saturate the surface. Do not use sparingly. You will want to use 1 gallon for every 100 square feet. Make sure you cover the entire surface of the concrete. The surface must remain wet for 20 minutes. If dry spots occur, roll or squeegee more CreteDefender on the dry area.
- After 20 minutes, use the squeegee to remove any puddles by spreading the puddle of material around the surrounding concrete until the product is absorbed. (If puddles are left to dry, a hard, white crystalline substance will remain where the puddle was. You will need to pressure wash this to remove it using a 3000psi or greater pressure washer.)
- Allow the concrete to dry completely (at least 6 hours.)
- No water is allowed on the surface of the concrete for at least 24 hours after each application.

Clean-up:

After completing the application, wash all tools thoroughly with soap and water and allow them to dry. Make sure you do not get water on the treated concrete for at least 24 hours after application. Dispose of any roller covers, latex or nitrile gloves. Remove your shoes and allow them to dry before wearing them inside your house. Launder your clothes normally.

If you have questions, or need assistance with any of these instructions, please call CreteDefender, Inc. at (877) 830-6008.