



PROTEC III LSF RESTORE APPLICATION FOR BADLY DUSTING OR CARBONATED CONCRETE

What does concrete dusting look like?

Concrete dusting appears on the surface of the concrete as dust or powdery-chalk. This dust can easily be removed with a broom, but it is a perpetual problem that will not resolve itself. It is actually the top wear layer of the concrete turning to dust. It is most often seen on surfaces like driveways or warehouse floors.

Why does concrete dusting occur?

The presence is often indicative of a weakness of the wearing surface. Dusting can be caused by poor finishing technique used while water bleed is still on the surface, improper curing, excess amounts of clay in the concrete or exposure to elements before the concrete was fully cured. Inadequate ventilation can also be a culprit, particularly in closed quarters like basements. This environment allows carbon dioxide to build up and create a chemical reaction that affects the surface strength of the concrete called carbonation.

How can you fix concrete dusting?

Concrete dusting rarely indicates a structural problem with the concrete, but it can be a troublesome problem, nevertheless. Badly dusting or carbonated concrete can be strengthened substantially and the dusting virtually eliminated by using Protec III Restore.

TESTING

Increases hardness of badly dusting/carbonated concrete by up to 300%

COVERAGE OF PRODUCT

- Dusting and Carbonated Concrete use at approximately 100 sq. ft. per gallon.

CAUTIONS

- Protect all surrounding area from over-spray. Wash all over-spray off immediately with water.
- Do not apply when temperature falls below freezing or to surfaces that are frozen.
- We always recommend testing a small area to observe for possible adverse reactions.

SURFACE PREPARATION

- Sweep surface clean, this will not remove all the dust, but because the surface is prone to damage it is the best way to prep the surface. Do not pressure wash, this only damages the surface. If cleaning needs to be done with water, use a mop and a pail.

- After washing allow to dry completely before sealing.

APPLICATION PROCEDURE

- Shake the container well before using.
- Apply by roller or sprayer.
- Apply liberally and saturate all areas.
- Vertical surfaces, apply from the bottom up.
- Apply Protec III Restore at maximum 100 square feet per gallon
- Make sure to keep the concrete surface wet for 30 minutes either by re-distributing the product that has puddled or by adding more product. The idea is to saturate the concrete surface thoroughly. Use clean work footwear to walk on the concrete that is still wet with Protec III in order to redistribute or add more Protec III Restore.
- After 1 hour, if there are any puddles remaining redistribute products and allow to dry 4 hours.
- Apply the 2nd coat, same as the first and let dry overnight.
- Test the concrete after the 2nd coat of Protec III Restore has dried 24 hours to see if the concrete surface is satisfactory. In most cases 2 applications is all that is needed. In the odd, periodic case where more is needed, apply the 3rd coat of Protec III Restore according to the application instructions.

CLEAN-UP

Clean up equipment with soap and water immediately after use.