

## PROTEC III LSF RESTORE

Hardener and Cure

### DESCRIPTION

Protec III Restore is a waterbased highly reactive penetrating concrete treatment which produces a permanent density change within the micro-structure of the concrete. Protec III Restore is the same version of Protec III Chem RX but more concentrated.

Protec III Restore is also used for polishing concrete. Protec III Restore is chemically activated by the alkali in the concrete to fill the voids and solidify. This chemical reaction produces a smooth, dense surface for easy grinding and polishing techniques.

\* See [Protec III Restore Polishing Concrete](#) for more information on this process.

For highly porous surfaces such as pre-cast concrete and concrete slats that are exposed to harsh environments in hog barns, silage pits, and fertilizer facilities, the use of Protec III Restore will dramatically lengthen the service life of the facility by increasing chemical and abrasion resistance and thereby reducing renovation costs and down time. Protec III LSF Restore produces a non-slip, natural looking surface. It is easy to apply and economical.

### USES

Broom Finish Concrete/Driveways/Hog Barns/  
Dairy Barns/Driveways/Sidewalks/  
Walkways/Curbing/Silage Pits

### BENEFITS

Meets **LEED Requirements**.  
Increases Surface Hardness and Strength  
Dust-proofs  
Increases Chemical and Abrasion Resistance  
Increases Freeze/Thaw Resistance  
Leaves a Natural Non-slip Surface  
Environmentally Safe with Zero VOC's  
Does not Leave a Surface Membrane  
Helps prevent New Barn Syndrome

### TESTING

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

### PHYSICAL CHARACTERISTICS

Dilution: None, use as supplied  
Odor: Mild  
VOC's: Zero  
Cleanup: Water  
Freeze Harm: 5 Cycles No Damage  
Dry To Touch: 15 min - 1 hour  
Cure: 24 Hours  
Re-coat: After 4 hour  
Application Temperature: 50–72°F (10–22°C)  
Clean up equipment: Use soap and water immediately after use.

### PACKAGING

5 gallon (18.9 Litre)  
55 gallon (205 Litre)

**SHELF LIFE:** 3 yr in original unopened container

**COVERAGE:** Approximately 300 ft<sup>2</sup>/gallon (28 m<sup>2</sup>/litre) on normal concrete surfaces

### 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**

Old dirty concrete should be cleaned and then rinsed with clean water. After washing allow to dry before sealing.

Apply product before repairing cracks in the sub-floor or applying patching or floor-leveling compounds.

### **APPLICATION**

#### Normal Concrete

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 at approximately 300 ft<sup>2</sup>/gallon (7.4 m<sup>2</sup>/litre)

If puddles form and are present 30 minutes after application, roll or brush out.

Let Protec III LSF Restore dry 4 hours between coats.

#### Old Concrete, Slats, Precast Walls/Hog and Dairy Barns, Fertilizer Facilities:

Minimum of 2 coats are recommended.

#### Hog and Dairy Barns and Silage Pits:

Use at approximately 200 ft<sup>2</sup>/gallon (4.9 m<sup>2</sup>/litre) depending on the porosity of the concrete being treated.

ALSO SEE:

#### **Protec III Restore**

**STRENGTHENS AND HARDENS POOR CONCRETE (pg 6h,6i) for information and application instructions.**

### **WARRANTY**

We warrant our products to be of good quality and will replace any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. The user shall determine the suitability of the product for the intended use and assume all risks and liability in connection therewith. Therefore, except for such replacement of product, Cornerstone Coatings makes no warranty or guarantee express or implied including warranties of fitness for a particular purpose or merchantability, respecting its products, and Cornerstone Coatings shall have no other liability with respect thereto. This warranty supersedes all other warranties express or implied.

## **PROTEC III LSF RESTORE**

Strengthens and Hardens Poor or Dusting Concrete

### **DESCRIPTION**

Heavily dusting or carbonated concrete used to require expensive grinding and removal of the affected area, until Protec III LSF Restore was introduced to the market.

Protec III LSF Restore chemically changes the micro-density of the poor concrete at the molecular level producing increased strength and durability in the top wear layer of the concrete surface. Dusting of concrete floors from carbonation and poor finishing practices can be restored to its original condition with very little down time and expense.

Protec III LSF Restore is compatible with flooring adhesives. For highly porous surfaces such as pre-cast concrete and concrete slats that are exposed to harsh environments in hog barns, silage pits, and fertilizer facilities, the use of Protec III Restore will dramatically lengthen the service life of the facility by increasing chemical and abrasion resistance and thereby reducing renovation costs and down time.

Protec III LSF Restore produces a non-slip, natural looking surface. It is easy to apply and economical.

### **BENEFITS**

Meets **LEED Requirements**.  
Increases Surface Hardness and Strength  
Dust-proofs  
Increases Chemical and  
Abrasion Resistance  
Increases Freeze/Thaw Resistance  
Leaves a Natural Non-slip Surface  
Environmentally Safe with Zero VOC's  
Does not Leave a Surface Membrane

Helps prevent New Barn Syndrome

### **USES**

Warehouse Floors/Hog Barns/Dairy Barns/  
Driveways/Sidewalks/Walkways/  
Curbing/Silage Pits

### **PHYSICAL CHARACTERISTICS**

Dilution: None, use as supplied  
Odor: Mild  
VOC's: Zero  
Cleanup: Water  
Freezing Point: 21°F (-6°C)  
Freeze Harm: 5 Cycles No Damage  
Dry To Touch: 15 min - 1 hour  
Cure: 24 Hours  
Re-coat: After 4 hour  
Application Temp.: 50–72°F (10-22°C)

### **TESTING**

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

### **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**

Old dirty concrete should be cleaned and then rinsed with clean water. After washing allow to dry before sealing.  
Apply product before repairing cracks in the sub-floor or applying patching or floor-leveling compounds.

#### APPLICATION

Old Concrete, Slats, Precast Walls, Hog & Dairy Barns, Fertilizer Facilities:  
Minimum of 2 coats are recommended.

Hog and Dairy Barns and Silage Pits: Use at approximately 200 ft<sup>2</sup>/gallon (4.9 m<sup>2</sup>/litre) depending on the porosity of the concrete being treated.

Carbonated and Dusting Concrete:  
Use at approximately 125 ft<sup>2</sup>/gallon (3.1 m<sup>2</sup>/litre). 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 Restore in order to redistribute or add more product. After 1 hour, if there are any puddles remaining redistribute products and allow to dry 4 hours.

Apply the 2<sup>nd</sup> coat, same as the first and let dry overnight.

Test the concrete after the 2<sup>nd</sup> 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 3<sup>rd</sup> coat of Protec III Restore according to the application instructions.

#### CLEANUP

Clean up equipment with soap and water immediately after use.

#### WARRANTY

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