

## Product Description

**SOLIDUS®** is a high-solids premium magnesium-fluosilicate based penetrating densifier, sealer, hardener, and dust-proofing compound for cementitious mixtures and helps reduce the penetration of chemicals and staining materials on new or old surfaces. The products high performance makes it ideal for use on fully-cured existing concrete floors, walkways, sidewalks, driveways, shop floors, warehouses, decks, docks, ramps, joint lines, and vertical surfaces where increased density and longevity are desired.

## Installation

Before using this product, please refer to the Safety Data Sheet for additional information. Proper handling precautions MUST be followed. The conditions of use, handling, and application of this product and information (whether verbal or written), including any suggested formulations and recommendations, are beyond Lambert Corporation's control. Therefore, it is imperative that testing be performed to determine satisfaction and suitability for intended use and health, safety, and environmental issues. The following information is meant as a guideline of best industry practices. While Lambert Corporation does suggest adherence to these guidelines, unforeseeable variables and/or developed successful installer practices may cause variation in methods and/or results. Transportation, storage, means of utilization, and methods of application are not the responsibility of, nor within the scope of control of Lambert Corporation, and any question regarding the appropriate application of these products must be addressed with Lambert Corporation representatives prior to use. Field visits by Lambert Corporation personnel are for the purpose of making technical recommendations only, and not for supervising or providing quality control on the jobsite.

## Surface Preparation

Surfaces must be fully-cured (greater than 28-days since pour) and sound. Substrate to be treated should be mechanically cleaned using machinery for pressure-washing and/or physical agitation, and should be clean, dry, and free of all coatings, laitance, dirt, debris, and any other substance that may prevent **SOLIDUS®** from penetrating. Allow surfaces to fully dry 24-hours after cleaning before applying **SOLIDUS®**. Very hard-troweled, smooth, or dense surfaces require a light acid etching as a part of the cleaning process before allowing to dry and applying the **SOLIDUS®** product. Surfaces should be cleaned appropriately or remain clean if subsequent coats are desired.

## Mixing

Dilute product exactly as stated in the 'Coverage' Section herein. Always agitate liquid densification compounds like **SOLIDUS®** thoroughly by mechanical means prior to each use. Manual blending is not acceptable.

## Application

Apply a uniform film, in conformance with the 'Coverage' Section of this Technical Data Sheet, depending upon porosity of surface, utilizing approved sprayer with appropriate peripherals, brush, or roller. All traffic should remain off treated surface for 24-hours following initial **SOLIDUS®** application. Allow 24-hours between subsequent applications of material. Product will dry in one (1) to four (4) hours based on temperature, humidity, sun exposure, and wind variance.



### Packaging:

5-Gallons (18.9-Liters)  
Pail  
  
55-Gallons (208.2-Liters)  
Drum

## Limitations

Keep from freezing. Do not store at temperatures below 45°F (7.2°C). Do not apply when concrete surfaces or ambient temperature will be at or below 45°F (7.2°C) within 24-hours. Material application may reduce the slip coefficient of the surface, making treated areas slippery. More than 3 applications is cautioned as the build-up of **SOLIDUS®** materials can lead to discoloration or residual material left on the surface. Do not overapply; conform to coverage chart listed below based on surface porosity. Areas must be cleaned according to 'Surface Preparation' Section prior to each application. Product

SOLIDUS® must be agitated prior to each use. **SOLIDUS®** may not function correctly when applied to substrates with high ratios of cement-replacement pozzolans such as Fly Ash. Glass, metal, wood, paint, brick, and other areas subject to overspray should be fully protected prior to application.

### **Coverage**

Dilute using 1 part **SOLIDUS®** per 1 part water - Apply at 200 ft<sup>2</sup> per gallon (12.3-14.7m<sup>2</sup>/L)

### **Clean-Up**

Refer to **SOLIDUS®** Safety Data Sheet where applicable. Clean tools, sprayers, and other equipment as suggested by manufacturer.

### **First Aid**

Avoid contact with skin and wash exposed skin areas promptly with soap and water. If any product gets into eyes, rinse immediately and repeatedly with water and get prompt medical attention. Avoid overexposure to the airborne dust. If inhalation occurs, remove to fresh air area and seek medical attention if required. Refer to product Safety Data Sheet for further information.

### **VOC Content**

0-g/L or 0-lbs/gal less exempt content

**KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.**