

# PC-CONCRETE PRIMER FOR USE WITH PC-5614

Technical Information Sheet

## Product Description

PC-CONCRETE PRIMER is the required primer for the PC-5614 Topping System. This high performance two-component, alkali resistant low VOC Epoxy primer is designed to adhere to any concrete surface that has been properly profiled to create a mechanical bond for the PC-5614 Topping. The PC-CONCRETE PRIMER can withstand moisture levels as high as 10 pounds MVER with a single application.

## Limitations

The DIAMATIC™ PC-CONCRETE PRIMER is designed for interior use only. MVER or moisture vapor emissions rate shall not exceed 10 pounds per ASTM F-1869 or 85% RH per ASTM F-2170. Concrete substrate must be profiled to a CSP-3. The application temperature should be between 50-80 degrees F. (10-26 C) Surfaces must be mechanically prepared to ensure the surface is free from any bond inhibiting silicate treatments, adhesives, or other contaminants

## Coverage Rate

After mixing the PC-Concrete Primer will cover approx. 400 square feet per 3-gallon kit. The sand broadcast will require 1 pound of kiln dried 20-30 mesh sand per square foot.

## Equipment

**PC-Concrete Primer:** Mixing container, calibrated pails, slow speed drill, jiffy mixer paddle, roller frame and cover, latex gloves, safety glasses, particle masks.

## Surface Preparation

The surface of the concrete must be properly prepared by either shot-blasting or grinding. The surface should be profiled to a CSP-3 in accordance with ICRI-03732 technical guidelines. Remove any loose material, dust or debris from the surface prior to the application of the primer. The PC-CONCRETE PRIMER must be allowed to cure for 12-16 hours before the application of the PC-5614. All excess or unbonded sand must be removed by sweeping and vacuum before the PC-5614 application.

## Mixing

The PC-CONCRETE PRIMER consists of an A and B component. Be sure to mix each component separately before combining. Combine the entire content of part B (hardener) to part A (resin), be sure to get all of the material from the B side into the A side. Use a slow speed mixing drill with a jiffy paddle or paint mixer, mix for 3 minutes until the material is homogenous. Do not lift the paddle during mixing or whip air into the mixture. The mixed material must be used immediately as it will exotherm in the pail.

## Packaging and Shelf Life

The PC-Concrete Primer is available in 3 gallon kits and has a shelf life of 12 months when stored properly. Kiln dried sand is available in 80-100 pound bags and should be stored in a cool dry place.

## Application

The application temperature range should be between 50-80 degrees F (10-26 C).

**PC Concrete Primer:** The DIAMATIC™ PC-Concrete Primer is the recommended primer for the PC-5614 Topping System. After mixing the epoxy should be rolled onto the prepared surface at the coverage rate of 400 square feet per each 3 gallon kit. Broadcast into the wet epoxy with a #20-30 mesh kiln dried sand to the point of refusal. The estimated amount will be 1 pound per square foot. The surface should be completely covered with no wet areas visible. Allow the epoxy primer to dry for a minimum of 12- 16 hours before the application of PC-5614 begins. Refer to the PC-5614 Technical data sheet for additional application details.

## Curing Times

The DIAMATIC™ PC-CONCRETE PRIMER should be spread within 3 minutes of mixing. The material will set more rapidly in temperatures above 80 degrees F (26 C) and more slowly at temperatures below 50 degrees F (10 C). After final application of the sand the UF-CONCRETE PRIMER should be allowed to cure for a minimum time of 12-16 hours before the application of the PC-5614.

## Safety

See Material Safety Data Sheet (MSDS). This document does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use. Dispose of any unused materials in accordance with Federal, State and Local regulations. The use of a dust mask, safety glasses and gloves is recommended. Keep out of the reach of children. Silica sand is a carcinogenic and is known to cause cancer.