

PC-FAST PRIMER FOR USE WITH PC-5614

Technical Information Sheet

Product Description

PC-FAST PRIMER is a rapid setting primer for the PC-5614 Topping System. This high performance two-component, 100% solids primer is designed to adhere to any properly prepared concrete surface. The PC-FAST PRIMER utilizes a single coat sand broadcast system and provides for application of the PC-5614 Topping as quickly as 5 - 6 hours after primer application.

Limitations

The DIAMATIC™ PC-FAST PRIMER is designed for interior use only. MVER or moisture vapor emissions rate shall not exceed **3 pounds** per ASTM F-1869 or **75% 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

Note: Be Advised that the acceptable moisture tolerance level for this primer is lower than the standard PC-CONCRETE PRIMER.

Coverage Rate

After mixing the PC-FAST PRIMER will cover aprox. 200 square feet per 1.5-gallon kit. The sand broadcast will require 1 pound of kiln dried 20-30 mesh sand per square foot.

Equipment

PC-FAST PRIMER: Mixing container, 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-FAST PRIMER must be allowed to cure for 5-6 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-FAST PRIMER consists of an A and B component. 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-FAST PRIMER is available in 1.5 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-FAST PRIMER: The DIAMATIC™ PC-FAST PRIMER is the rapid setting primer for the PC-5614 Topping System. After mixing the epoxy should be rolled onto the prepared surface at the coverage rate of 200 square feet per each 1.5 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 must be completely covered with no wet areas visible. Allow the epoxy primer to dry for a minimum of 5-6 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-FAST 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 PC-FAST PRIMER should be allowed to cure for a minimum time of 5-6 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.