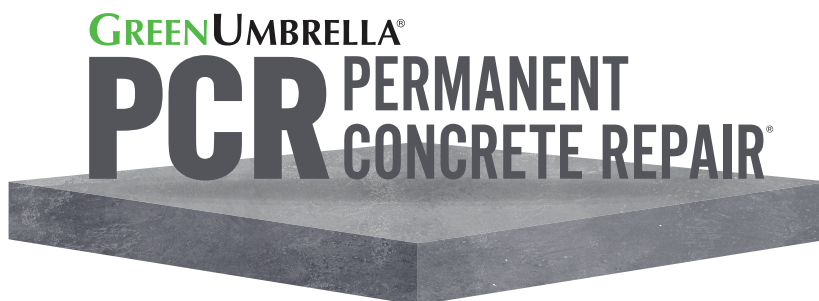


APPLICATION SHEET

HORIZONTAL - VERTICAL - OVERHEAD / 10K+PSI / QUICK TO TRAFFIC



Application Ratio:

For applications of 3/4" or greater, the use of an approved aggregate is recommended for benefits including increased coverage ratio.

Foot traffic @ 60 minutes.
Vehicle Traffic @ 120 minutes.

IMPORTANT NOTE:

Read and follow TDS & SDS before application. Follow all directions, including safety information. Installer education, training, and appropriate handling are necessary for product success. Due to the variety of concrete, the applicator must test the product for compatibility before full application. Only install to surfaces that are clean and dry with tools that are clean and dry.

Tools required for installation:



Bucket/
Concrete Mixer



Drill &
Mixing Paddle



Finishing
Trowel



Pool
Trowel



Wire Brush



Broom/
Vacuum

If Cold Weather:



Temporary Shelter
Pop-Up Canopy



Torch

Surface Preparation

Do not wet surface prior to application of PCR. Surface should be clean and dry, free of all loose material and potential contaminants. Surface to be repaired, tools and mixing container must be completely free of moisture. Any exposed rebar must be cleaned using a wire brush or sand blasted, a rust inhibitor is recommended. Substrate temperature should be within the preferred window of 50-70°F (10-21°C). If a torch is used, first allow the surface to return to ambient temperature before application.

Application For Early Age Concrete

Green Umbrella PCR can be applied as soon as 28 days after concrete placement. Use PCR to quickly and permanently repair and protect damaged concrete, even soon after placement.

Application For Mature Age Concrete

Following recommended surface preparation directives and accounting for environmental factors, PCR may be installed at any time. Concrete must be thoroughly cleaned of any debris, loose material and potential contaminants. Exposed rebar should be cleaned using a wire brush to remove any rust; the application of a rust inhibitor is recommended.

Mixing

1. Introduce Liquid Activator (Part Two) to a clean, dry mixing vessel. Note: Overuse of Liquid Activator will result in an altered final appearance.
2. If Retarder is used, mix with Activator first.
3. Gradually add Dry Mix (Part One) and blend at a low rpm. To avoid clumping, consistently add Dry Mix. All materials should be mixed thoroughly.
4. If adding an aggregate, introduce at the recommended ratio of 40-50% of the Dry Mix. Blend at a low rpm. **Do not use limestone.** Mix thoroughly; aggregate should be wet.

Mixing (Continued)

5. If including a colorant, introduce approved/recommended dry pigment and mix thoroughly but not excessively. **Liquid colorants should never be used.**
6. If ambient temperatures are below 50°F (10°C), introduce the Accelerator.

NOTE: No water should be added, either on the surface, in the mix, or to change consistency or to make easier to trowel.

Application

Standard Spalled Repair Procedure:

1. Saw cut 1/4" deep around all damaged area, remove damaged concrete to sound concrete. Don't leave any foreign material. Note: Any broken areas of concrete around posts etc., should be completely cut out. The cutouts should mirror any footings underneath or at least 6" out from the post.
2. Clean surface thoroughly with a bio-degradable etcher, pressure washer, or wash several times with water and scrub brush/floor machine. All etcher residue must be flushed off. If oily, use GreenClean and Degreaser™ to remove oil and grease.
3. Treat weakened or damp concrete with 1 application of HydroShield™.
4. Allow to dry for 8 hours if concrete was saturated.
5. Introduce PCR to the clean and dry repair surface and finish to desired look (trowel, broom or stamp).

Routine Maintenance

PCR requires no sealer and no special maintenance. Care for concrete surfaces using Green Umbrella GreenClean & Degreaser™ or DeepClean with Slip-Resist™ following a regular maintenance program. For a detailed maintenance program tailored to the needs of your facility contact Green Umbrella.