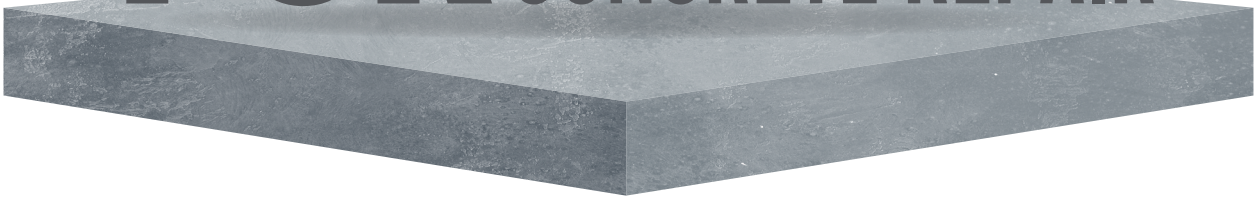


GREEN UMBRELLA™

PCR PERMANENT CONCRETE REPAIR



NOT A PATCH. IT'S PERMANENT.

QUICK TO TRAFFIC / 11,100+PSI / NO SEALER REQUIRED



*“Making Your
Vision a Reality”*



GOAL STATEMENT

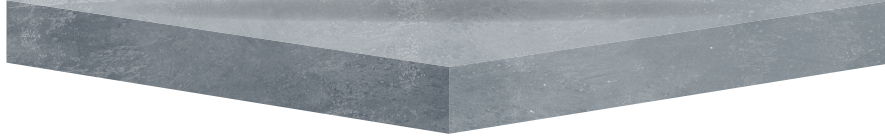
CONSULT - SUPPORT - SPECIFY

“Green Umbrella directs our clients toward an architectural concrete design that is Versatile, Sustainable, and Economical. A goal without a plan is simply a dream. Planning with proven products and methods enables our clients to design and build to highlight the versatile and sustainable features of modern concrete placement. Our GOAL is to become our client’s source for architectural concrete consulting for every project, from start to finish. Green Umbrella is ready to **support** by providing a plan, or specification, for the owner and design professional that makes your vision a reality.”



GREEN UMBRELLA™

PCR PERMANENT CONCRETE REPAIR



Green Umbrella™ PCR, designed for permanence, not just a temporary fix or patch. Permanent Concrete Repair is an industry-leading, high early strength, zero-shrink, water-proof component applied in half the time of tradition patch products. Adjust PCR aggregate and activator for a project-specific consistency without a critical mix ratio. PCR establishes a unique, tenacious bond for horizontal, vertical, or overhead repairs. The resulting matrix is resistant to chloride, petroleum, and other destructive contaminants. PCR, formulated for use on virtually any damaged concrete: Repair cracks, spalling, or trip-hazards with structural strength. Stop the replacement cycle! PCR is a permanent economic repair, reducing/eliminating costly concrete replacement.



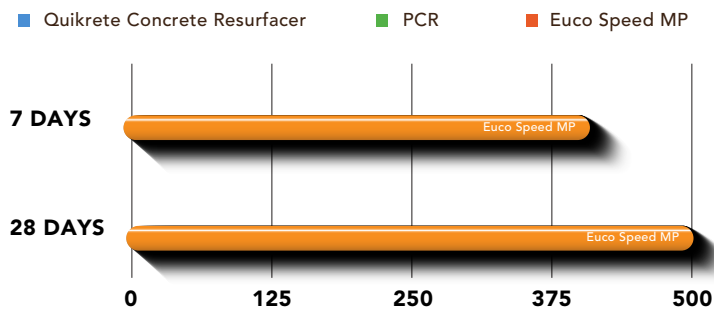
CUTSHEET



CUT TO THE CHASE
GREENUMBRELLA™

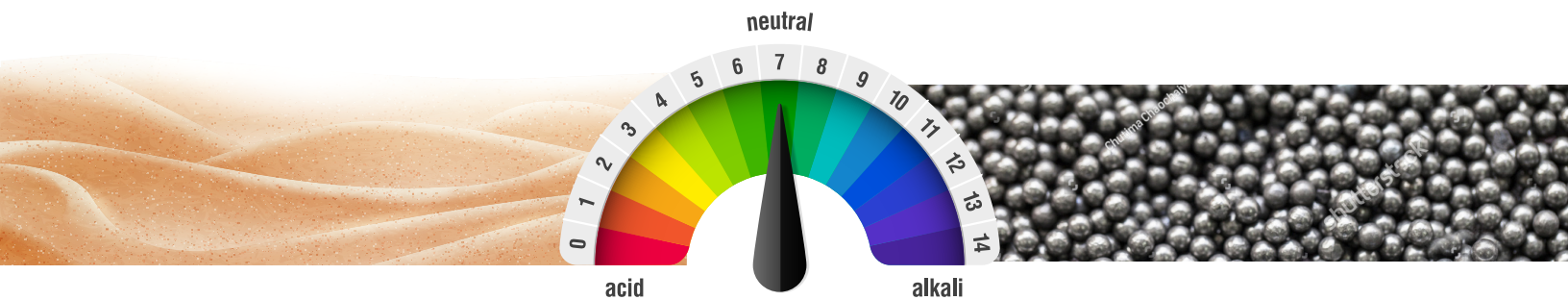
TENACIOUS BOND

FLEXURAL STRENGTH



FEATURES & BENEFITS

- Permanent concrete repair!
- 'Better than new' waterproofing
- Open to foot traffic in 1 hour
- Can be stamped, broomed or trowel finished
- Bonds tenaciously to concrete
- Incredible Strength, 11,200 PSI at full cure
- Will Not spall or flake off
- Resistant to Chloride (salts), Oils, Gasoline & other potential contaminants
- Open to any traffic in 2 hours
- No sealer required
- Waterproof
- Horizontal, Vertical and Over-head application



ENVIRONMENTALLY RESPONSIBLE PRODUCT

The Green Umbrella Architectural Concrete Systems specified process is specially designed to require less labor and downtime while lowering environmental impact. Green Umbrella™ Permanent Concrete Repair (PCR) is easy to apply virtually anywhere concrete needs repair including vertical and overhead. Green Umbrella™ PCR has zero VOC's and will not harm the environment or add to landfill.

"Giving you the Direction you Need."



CONSULTANT

INITIATIVE - INSIGHT - SPECIFICATION

Green Umbrella starts by CONSULTANTS showing initiative. Design professionals, owners, and contractors need someone who is willing to take the **initiative** in connecting you with the solutions for sustainable concrete. We freely share industrial **insight** by investing in our industry with Continued Education Presentations created for the design professionals, general contractors, and craftsmen. We can assist you in understanding past project failures, helping you build your **specifications** for future success. With all the products needed on a project, it is essential to have someone "Giving the Direction you Need."

CUTS LABOR



The simple application process reduces laborers required to install and downtime before traffic can be restored.

CUTS DOWNTIME



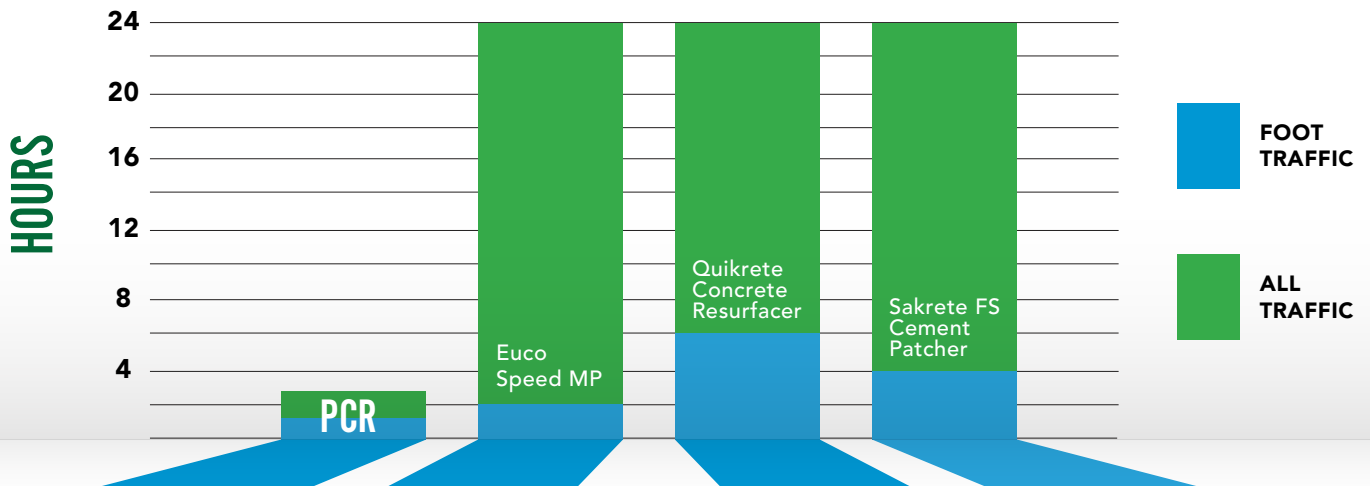
Open to all traffic in 2 hours. Fast and simple surface preparation.

CUTS ENVIRONMENTAL IMPACT



Permanently repair your concrete without demolition and addition to landfill. Green Umbrella™ PCR has zero VOC's and will not harm the environment.

TIME TO TRAFFIC



EASY TO APPLY - SIMPLE TO MAINTAIN

completely repaired surface open to all traffic. Standard concrete maintenance practice will ensure your PCR is permanent. Green Umbrella recommends the use of GreenClean & Degreaser or GreenClean with Slip Resist.

Prepare the area you will repair by removing any contaminants on the concrete or rust on visible re-bar, leaving the surface clean and dry. Mix the Liquid Activator (part one) with the Dry Mix (part two) to the ideal slump for your project and apply using clean and dry tools. In 120 minutes you will have a

ARCHITECTURAL APPLICATIONS

ROADWAY REPAIR

AIRPORT RUNWAYS, LIGHT INSTALLATION

BRIDGE DECK AND HIGHWAY OVERLAYS

DOWEL BAR REPLACEMENT

CONCRETE PAVEMENT JOINT REPAIRS

FULL-DEPTH STRUCTURAL REPAIRS

SETTING OF EXPANSION DEVICE NOSINGS

INDOOR OR OUTDOOR APPLICATIONS

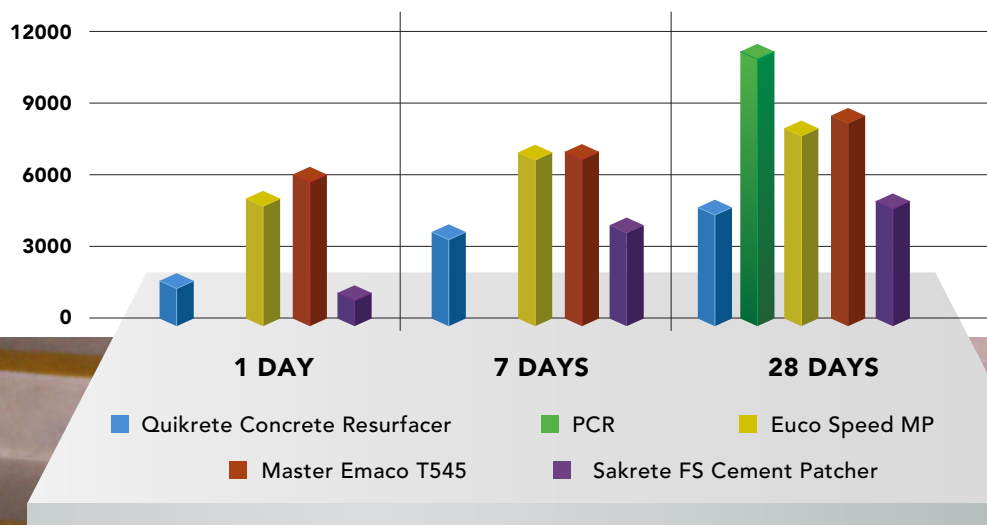
COMMERCIAL FREEZER ROOMS

ANCHORING IRON OR STEEL BRIDGE AND BALCONY RAILINGS

TRUCK DOCKS

PARKING DECKS AND RAMPS

COMPRESSIVE STRENGTH



STANDARDS & TESTING

ASTM C1583/C1583M-20: Standard Test Method for Tensile Strength of Concrete Surfaces and the Bond Strength or Tensile Strength of Concrete Repair and Overlay Materials by Direct Tension (Pull-off Method)

AASHTO T259: Standard Test Method of Test for Resistance of Concrete to Chloride Ion Penetration (Salt Ponding Test)

ASTM C1202: Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration

ASTMC1556: Standard Test Method for Determining the Apparent Chloride Diffusion Coefficient of Cementitious Mixtures by Bulk Diffusion

ASTM C1152: Standard Test Method for Acid-Soluble Chloride in Mortar and Concrete



LIFE-CYCLE MAINTENANCE SYSTEM

Permanently repair concrete saving on replacement or maintenance costs. Maintain PCR as you would any concrete surface, using Green Umbrella GreenClean & Degreaser or GreenClean with Slip Resist.

ESTIMATING

1 Gallon of Liquid Activator + 50 lbs. of Dry Mix yield 20 square feet at 1/4" depth. For placement at depths greater than 1/2" and larger pours the use of aggregate will improve placement and yield.



PACKAGING

Green Umbrella™ PCR is available in 1 Gallon (128 oz.), 5 Gallon & 55 Gallon Liquid Activator quantities. Liquid Activator must be combined with Dry Mix available in 50 lbs. Dry Mix to be combined with Liquid Activator.



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www.GreenUmbrellaSystems.com



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