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QUIKRETE® REHABS AGING TRANSPORTATION INFRASTRUCTURE WITH PROVEN BRIDGE REPAIR MATERIALS

ATLANTA (April 15, 2019) – With the average age of a bridge in the U.S. around 50-years-old, it is understandable that more than 235,000 bridges need to be repaired or replaced according to a recent report by the [American Road & Transportation Builders Association](#). While rehabilitating 38 percent of the country’s bridges will take decades, [QUIKRETE®](#) is helping improve an aging transportation infrastructure by providing proven commercial-grade repair materials that deliver long-lasting structural results.

“It’s a cost-prohibitive proposition to replace thousands of outdated bridges, so the more immediate and practical approach is making repairs. As the largest manufacturer of pre-mixed concrete products in the U.S., we’re committed to being part of the solution,” said Frank Owens, Vice President Marketing for The QUIKRETE® Companies. “Our commercial-grade repair materials gain strength and set up quickly in order to meet very precise structural bridge specifications while minimizing traffic disruptions. The combination of these factors is why our products are approved by the department of transportation (DOT) in most states and have been used to repair tens of thousands of bridges over the years.”

Bridge Deck Repairs

QUIKRETE® Rapid Road Repair

QUIKRETE® Rapid Road Repair is a fast-setting material specifically designed for structural bridge deck repairs. QUIKRETE® Rapid Road Repair provides permanent partial-depth repairs up to two inches. The material also contains alkali resistant (AR) glass fibers for improved flexural performance essential for applications involving severe vibration like bridge deck repairs. QUIKRETE® Rapid Road Repair is available in 50-pound bags, and reaches 2,000 PSI in 90 minutes and 6,000 PSI in 28 days. For full-depth repairs greater than two inches, a version of QUIKRETE® Rapid Road Repair extended with gravel or stone is available in 80-pound bags.

QUIKRETE® FastSet™ DOT Mix

QUIKRETE® FastSet™ DOT Mix is a rapid hardening, fiber-reinforced repair material that is pre-blended with coarse aggregates making it ideal for bridge deck repairs from 1 1/2” to 24” thick. It is formulated to provide 20 to 30 minute working time so there is adequate time to mix and place material for large full-depth repairs. As a pre-blended product, QUIKRETE® FastSet™ DOT Mix can be extended with aggregate to eliminate jobsite measuring and improves consistency, which reduces project labor costs. QUIKRETE® FastSet™ DOT Mix, which is available in 55-pound and 80-pound bags, exceeds 3,000 PSI in 90 minutes, 4,500 PSI in three hours and more than 10,000 PSI in 28 days. For full-depth repairs greater than two inches, QUIKRETE® FastSet™ DOT Mix can be extended with stone or gravel.

Bridge Supports

QUIKRETE® Shotcrete MS

QUIKRETE® Shotcrete MS is a spray-applied, high-strength structural repair material for vertical, horizontal and overhead concrete structures including bridge arches, columns, piers, abutments, beams and tunnels. Specially designed for above and below grade repair where the micro-silica enhanced material can be applied over mesh, rebar and other structural reinforcement, QUIKRETE® Shotcrete MS can be applied using a dry or wet process. Fiber reinforcement can be added to QUIKRETE® Shotcrete MS to improve rebound and sag resistance. QUIKRETE® Shotcrete MS, which is available in 50-pound and 80-pound bags as well as 3,000-pound bulk bags delivered through a silo system, achieves 3,200 PSI in 24 hours, 6,900 PSI in seven days and more than 9,000 PSI at 28 days.

QUIKRETE® Form and Pour

QUIKRETE® Form and Pour is micro silica enhanced material used for structural building and repair applications to bridge arches, columns, piers, abutments, beams and tunnels. A high-flow, high-strength, shrinkage compensated concrete delivered through a pump system, QUIKRETE® Form and Pour is appropriate for vertical and horizontal rehabilitation projects 1 1/2” to 24” because it can be mixed from a stiff plastic consistency to a free flowing virtually self-consolidating consistency. QUIKRETE® Form and Pour has low plastic shrinkage and is an air-

QUIKRETE® Bridge Repair Products – Page 3

entrained for freeze-thaw durability. In 28 days, it achieves 6,500 PSI at a 7” to 9” slump and more than 8,000 PSI at a 4” slump. QUIKRETE® Form and Pour is available in 80-pound bags.

For more information on QUIKRETE® commercial-grade repair products including technical data sheets, project profiles and a construction products guide visit www.QUIKRETE.com.

The QUIKRETE® Companies

The QUIKRETE® Companies is the largest manufacturer of packaged concrete and cement mixes in the U.S. and Canada, and an innovative leader in the commercial building and home improvement industries. QUIKRETE® also offers related products through numerous wholly-owned subsidiaries including Keystone Hardscapes®, Pavestone®, Custom Building Products®, Contech®, Rinker Materials™, Spec Mix®, Target Technologies®, Daubois® and QPR®. Collectively, The QUIKRETE® Companies operates about 250 facilities in the U.S., Canada, Puerto Rico and South America, allowing for unsurpassed distribution and product depth. Technical centers across the QUIKRETE® network also ensure that professionals and consumers alike are provided with the most innovative and highest quality products available on the market. For more information on The QUIKRETE® Companies or its products, visit www.quikrete.com or call (800) 282-5828.

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