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QUIKRETE® AND OAK RIDGE NATIONAL LABORATORY PARTNER TO DEVELOP PRINTABLE CONCRETE

ATLANTA, GA (March 16, 2020) The QUIKRETE® Companies and the U.S. Department of (DOE) Oak Ridge National Laboratory (ORNL) recently entered a cooperative research and development agreement to design next-generation concrete for use in the production of large-scale structures through a 3D printing process. Using additive manufacturing system developed by ORNL, the collaboration with QUIKRETE® will deliver specially-formulated concrete that establishes new construction capabilities.

-Year Program Plan, QUIKRETE® and ORNL are developing a concrete mix with the strength, curing time, and durability to construct buildings, energy installations, transportation infrastructures and other large-scale structures faster, more affordably and with less energy consumption. Designed as a pumpable, low- or zero-slump material that sets quickly and gains strength rapidly, this new concrete will be ideal for printable construction projects. In addition, the one-of-a-kind concrete will meet tensile strength, compressive strength, ductility and other structural performance characteristics required as a viable building material.

oratory is one of the most advanced players on the global additive technology stage. QUIKRETE® is not only a leader in concrete technology, but also second-to-none in construction materials manufacturing and logistics. Working together, QUIKRETE®

supply all varieties of 3D concrete printers. We are optimistic that this technology will be a game changer for the