Effect of carbon-negative aggregates on the strength properties of concrete for permeable pavements

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**Professor Colin Hills** is Professor of Environment and Materials Engineering and Director of the Centre for Contaminated Land Remediation at University of Greenwich. He has been actively involved in research and development of stabilisation/solidification (s/s) systems for more than 25 years. His work includes national guidance on s/s of contaminated soil for the Environment Agency (England and Wales), and the development of novel s/s systems. He has received a number of national prizes, including the IChemE Green Chemical Technology Award, the national Shell Springboard prize, and the Times HE Award for his outstanding contribution to Innovation and Technology. Professor Hills’ work on the beneficial re-use of waste CO2 gas in the treatment (by carbonation) of contaminated soil and waste has resulted in the first commercial production of artificial aggregates. The aggregates were awarded the UK’s Best Recycled Product for 2013, and are used in the world’s first ever carbon negative building block, manufactured by Ligancite in Suffolk. Professor Hills is a Founder Director of both Carbon8 Systems and Carbon8 Aggregates, spin-out companies of the University of Greenwich.