

Multi Walled Carbon Nano Tubes in Concrete – A Review

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ABSTRACT

Nanotechnology has been one of the leading technologies in the last two decades due to the interesting properties it has in various domains. It develops innovative properties and functions for materials, electronics, and systems. One of the most essential features of using nanotechnology is that when particles are in nano size, the proportion of atoms on the surface increases in comparison to those inside, resulting in unique characteristics. Concrete technology is not an exception, as many researchers have conducted experiments to clarify the expected merits and demerits that could be obtained by using nano particles in concrete. Multi walled carbon nano tubes is a promising material that was approved to be able to enhance the mechanical properties, durability and conductivity of concrete. This paper discusses in details the studies and experiments that were conducted by researchers to spot the light on the behavior of Multi walled carbon nano tubes.

Keywords: *Nanotechnology, Multi walled carbon nano tubes, Mechanical Properties, MWCNT*