IJARSCT



International Journal of Advanced Research in Science, Communication and Technology

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Impact Factor: 7.67

Volume 5, Issue 3, May 2025

Nano Concrete

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Abstract: Nano concrete, an revolutionary form of concrete incorporating nanotechnology, is rapidly gaining interest for its ability to beautify the strength, sturdiness, and sustainability oftraditional concrete. The integration of nanomaterials which includes carbon nanotubes, nano-silica, nanoalumina, and different nanoparticles into concrete mix designs leads to widespread improvements inside the cloth's mechanical homes. This paper opinions the various styles of nanoparticles utilized in concrete, their mechanisms of action, and their effect at the performance of nano concrete. Additionally, the paper discusses the challenges in scaling up nano concrete manufacturing, capability applications, and destiny guidelines for studies.

DOI: 10.48175/IJARSCT-26353

Keywords: Nano concrete.





