

## Production Cement Mortar and Concrete by Using Nano Clay

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**Abstract :** This research tackles a new kind of additions (Nano Clay) and its effect on the features of concrete and both fresh and hardened cement mortar, as well as setting an optimal percentage of adding it to achieve the desired results and obtain on a strong concrete and mortar can be used for skyscrapers. The cementations additions are mineral materials in the form of a fine powder, added to concrete or cement mortar as partly cement substitutes, which means to be added instead of an equivalent amount of cement in order to improve and enhance some features of concrete or both the newly made and hardened cementations materials.

**Keywords :** nano clay in structure engineering, nanotechnology in construction industry, advanced additions in concrete, special concrete for skyscrapers

**Conference Title :** ICSE 2017 : International Conference on Structural Engineering

**Conference Location :** London, United Kingdom

**Conference Dates :** May 25-26, 2017