

عنوان مقاله:

Investigation Of The Effect Of Iron Oxide Nanoparticle Particles On Concrete Strength

محل انتشار:

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خلاصه مقاله:

One of the main aspects of nanotechnology, its interdisciplinary nature. The interaction of this science with concrete science can create a turning point in the construction industry. The ultimate goal of the study of nano scale concrete is to find a new generation of high performance building with materials new and different properties compared to the properties of ordinary materials. In this study, with the introduction of nanotechnology, we will address the function of a component of nano-forming particles as iron oxide. In studies conducted on concrete containing iron oxide nanoparticles, the important factors that are most considered are its effect on its tensile strength and flexural strength and mechanical properties. In this regard, various studies have been done on the effect of iron oxide nanoparticles on concrete properties including the effect of iron oxide on cement mortar, the effect of iron oxide on water penetration and the effect of iron oxide on its efficiency and strength

کلمات کلیدی:

Concrete, Iron Nano Oxide, Cement, Efficiency and Strength

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