

عنوان مقاله:

Effect of Different Wastes Additives on Compression Strength of Concrete

محل انتشار:

دومین کنفرانس بین المللی مقاوم سازی لرزه ای (سال: 1388)

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خلاصه مقاله:

This paper studies the influence of different additives to the concrete mixtures with different percentages, to determine the compressive strength, and concrete density (As light weight concrete). Different types of additives were used in this research, including rubber cuttings, iron splinters, wood sawdust, rice husk, and silica gel, with 5% 10% ,15% ,and 20% percent of each one. Compressive strength, flexural tensile strength, and variation of density have been examined for each specimen at all percents of additives, and comparing with the reference concrete (without additions) specimens. From the obtained test results, the study concluded that the use of these additives in concrete significantly affects both the compression strength, flexural tensile strength (rise or fallout), especially at 5% of adding materials, as well as utilization of additives in concrete to produce low density mixtures with rice husk mixtures or as .high density concrete when using iron splinter in the concrete mixtures

کلمات کلیدی:

Additives agro wastes urban wastes Compressive strength-Light weight concrete

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