

Performance of Concrete by Partial Replacement of Alccofine and Fly Ash

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Abstract: *The concrete used for the construction of a building is a mixture of cement, sand, fine aggregate, solid aggregate and water. Sometimes it is necessary to modify concrete structures according to need. In the mix it is used to change structures. Alccofine is a substance added to a concrete mixture in or immediately before mixing. There are many benefits from the use of alccofine such as improved quality, greater concrete strength, cracking control, acceleration and reduction setup, lower density and improved performance. The effect of alccofine varies generally with cement type, mixing rate and volume. Its output is known for displaying viscosity conversion features. In this particular study of alccofine and fly ash, the effectiveness of concrete is investigated. This study provides a detailed study of the impact of alccofine and fly ash for these purposes. Alccofine and fly ash material are readily available at a reasonable price. By mixing alccofine and flying ash at different percentages, tests should be performed to assess its effect on concrete materials including set time, performance, compressive strength and lightweight concrete.*

Keywords: Alccofine, Fly Ash, cement, Coarse Aggregate, Fine

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