

# **EFFECT ON COMPRESSIVE AND FLEXURAL STRENGTH OF HIGH-PERFORMANCE CONCRETE INCORPORATING ALCCOFINE AND FLY ASH**

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## **ABSTRACT**

In the era of advanced technological growth in concrete, use of high performance concrete (HPC) has increased globally due to popularity in the infrastructure industry. Generally HPC is having high cementitious content and very less water to cement ratio. With a rapid developmental growth and a greater requirement for housing there is a need supplemented by use of waste material in construction to get higher compressive strength concrete. In this research fly ash and alccofine at various proportions was used to enhance the compressive and flexural strength of high performance concrete. This paper presents the results obtained from laboratory investigation of various trial mixes of concrete mix incorporating fly ash and alccofine for high performance concrete of M60 grade using Indian Standard Recommended method of concrete mix design.

**KEYWORDS:** High Performance Concrete, Fly Ash, Alccofine