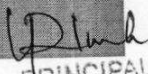


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Investigation on Mechanical Properties of Metakaolin Added Steel Fibers Reinforced Concrete



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Keywords Metakaolin · Elastic modulus · SFRC

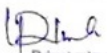
1 Introduction

Neville A. M. [1], investigated the investigation for the improvement of high quality cement has expanded impressively as of late as a result of the requests from the development business. Over the most recent three decades, strengthening cementitious materials, for example, fly fiery debris, silica smoke, and ground granulated impact heater slag have been carefully used as bond substitution materials as these can expressively improve the quality attributes of cement in correlation with customary Portland concrete (OPC) alone, gave there is satisfactory relieving.

Basu, P. C. [2], studied the high-performance concretes can be produced at lower w/b ratios by incorporating these supplementary materials. Fly ash addition proves most economical among these choices, even though the addition of fly ash may lead to slower concrete hardening. However, when high strength is desired, use of silica fume is more useful.

Abdul, R. H., and Wong, H. S. [3], investigated the designed at very low water/binder ratio, the presence of silica fume explains the mechanical performance of high strength concrete. Silica fume provides a very good particle packing and, because of its strong pozzolanic property increases the resistance of the concrete to aggressive environments.




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