

EFFECT OF GLASS FIBRES ON ORDINARY PORTLAND CEMENT CONCRETE

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ABSTRACT

Concrete is a tension weak building material, which is often crack ridden connected to plastic and hardened states, drying shrinkage, and the like. Moreover, concrete suffers from low tensile strength, limited ductility and little resistance to cracking. In the present experimental investigation glass fibers in different percentage 0 to 0.1% has been used to study the effect on compressive strength, split tensile strength, flexural strength of concrete. For each mix standard sizes of cubes, cylinders and prisms as per Indian Standards were cast and tested for compressive strength , split tensile strength and flexural strength at age of 7days,28 days, 56 days, 72 days and 90 days as per Indian Standards.

KEY WORDS: Glass fibre, compressive strength, split tensile, flexural strength