

Utilisation Of Glass Waste Fines In Concrete: As Partial Replacement Of Sands

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The use of waste materials such as glass and paper has rapidly increased as it offers significant benefits both environmentally and economically. Research has been conducted looking at different portions of glass fines combined and cellulose fibers in mortar mixes. In this project, glass fines has been used to replace fine aggregates in proportions of between 10% to 30%. For some mixes, a small amount of cellulose fibers have been added to observe differences in strength development. This paper reports the interim results looking at compressive strength results tested at 7 days and 28 days after casting.