

## **EXPERIMENTAL STUDY ON GLASS POWDER CONCRETE**

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## **ABSTRACT**

The usage of cement as a binder in concrete gives good results, but it is harmful to the environment because of the release of harmful gases like carbon monoxide and carbon di oxide into the atmosphere. This paper attempts to use Glass powder as a partial replacement of cement, which is rich in silica. It is planned to prepare the concrete specimens in the form of cubes and cylinders and compare the strength characteristics of the replaced concrete with the conventional concrete. It is planned to add the glass powder as a replacement of cement as 5%, 10% etc., with the weight of the cement and it will be finally concluded with the percentage replacement giving the best result. In this paper, glass powders are used as a replacement of binder, which is a waste material thus it is highly environmental friendly and economical as well.

KEYWORDS: Silica, Compaction, Glass Powder, Waste Glasses, Strength

## Article History

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