

DURABILITY STUDY OF SELF-COMPACTING CONCRETE USING MANUFACTURED SAND

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ABSTRACT

Self-Compacting Concrete (SCC) is an innovative concrete that does not require vibration for placing and compaction. Self-Compacting Concrete is extensively applied in many construction projects due to its excellent fresh and hardened properties. In this study M35 mix is used. Master Glenium Sky 8233 is used as the chemical admixture. The main aim of the project is to design the mix using fly ash as additive. Then sulphate attack and chloride attack of the specimens were determined. Different proportions of solution are used for durability study.

KEYWORDS: Self-Compacting Concrete, Durability, Fresh Properties, Hardened Properties