

DESIGN OF CONCRETE OF GRADE 40 USING ADMIXTURES

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SUMMARY

This work is divided into two parts. The first part is the LITERATURE SURVEY which covers the general properties of cement, aggregates and concrete mixing, and points to be considered in order to produce a workable, durable, impermeable concrete to achieve its maximum strength. Also a refer is made to the admixture used.

The second part of this work involves an experimental study on the compressive strength of concrete cubes, which they were design using admixtures.

An experimental work was carried out to investigate the parameters which influence the design of concrete and trial mixes were produced until the final mix was the expected one.

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