

AN EXPERIMENTAL STUDY ON THE INFLUENCE
OF CURING ON THE STRENGTH AND SHRINKAGE
CHARACTERISTICS OF CONCRETE

PROJECT REPORT SUBMITTED BY

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A B S T R A C T

This study is divided into two parts. The first part concerning the strength and the parameters influencing it, the mechanism of shrinkage and the parameters influencing it and the importance of curing and the ways of achieving it.

In the second, an experimental programme on the influence of Curing on the strength and shrinkage of concrete using different curing conditions to see how these affect both the strength and shrinkage of concrete.

The concrete mix used in the experimental work was 1:2:4 with four different w/c ratios 0.6, 0.7, 0.8 and 0.9.

The curing conditions covered water, air and chemical (surface treatment) curing.

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