AN EXPERIMENTAL INVESTIGATION ON THE IMPACT STRENGTH OF FIBRE REINFORCED CONCRETE

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Project Report
Submitted to
the Department of Civil Engineering
of the Higher Technical Institute
Nicosia Cyprus
in partial fulfilment of the requirements
for the diploma of
TECHNICIAN ENGINEER

in

CIVIL ENGINEERING

June 1991

Project No. C/595

Project Supervisor : *Dr. H. Stavrides*

External Supervisor :

Type of project : Individual

Group ✓

ABSTRACT

The main objectives of this project are to examine the effect of steel fibres on impact resistance, flexural strength, toughness, compressive strength, workability and the effect of accelerated curing on concrete.

This project is divided into four chapters. In the first chapter an introduction was made concerning mostly types of fibres, their general characteristics and applications.

The second chapter deals with curing of concrete and past research on accelerated curing.

The third chapter deals with the properties of Steel-Fibre-Reinforced-Concrete from previous research.

Finally, the last chapter deals with the experimental part, as well as with general conclusions and recommendations for future work.

CONTENTS