

HIGHER TECHNICAL INSTITUTE

CIVIL ENGINEERING COURSE

DIPLOMA PROJECT

AN EXPERIMENTAL INVESTIGATION
ON THE IMPACT STRENGTH OF
FIBRE REINFORCED CONCRETE

C/568

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JUNE 1991

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June, 199

A B S T R A C T

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This study is divided into *four* parts. In the first part a literature survey on fibre reinforced cement composites was made; to expose the influence of steel fibres on the strength and impact resistance of concrete.

In the second part a literature survey was carried out the effect of accelerated curing on the strength of concrete and applications and port research on S.F.R.C.

In the third part an experimental investigation was carried out into the effect of both accelerated curing and steel fibre inclusion on the strength and impact resistance of concrete.

In the fourth part general comments, conclusions and recommendations for future work were summarised.

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