

HIGHER TECHNICAL INSTITUTE

CIVIL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

**THE EFFECT OF SPECIAL ADMIXTURES ON
THE PERMEABILITY OF CONCRETE**

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SUMMARY

This project deals with the permeability of concrete and how it's affected by using a waterproofing admixture, in relation to different water to cement ratios.

Chapter 1 deals with the theory of cement and its various properties.

Chapter 2 deals with the theory of aggregates and their various properties.

Chapter 3 deals with the dampproofing and waterproofing admixtures theory and more extensively on their effect on the permeability of concrete.

Chapter 4 deals with fresh concrete, its different characteristics and the various ways of testing it.

Chapter 5 deals with hardened concrete and the theory of its various properties.

Chapter 6 describes the procedure followed for the execution of this project, the results and the conclusions.

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