

**HIGHER TECHNICAL INSTITUTE**

**CIVIL ENGINEERING DEPARTMENT**

**DIPLOMA PROJECT**

**THE DUST EFFECT ON THE PERMEABILITY  
OF CONCRETE**

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## SUMMARY

This project deals with the permeability of concrete and how it is affected by using different proportions of dust, in relation to different water to cement (w/c) 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 fresh concrete, its different characteristics and the various ways of testing it.

Chapter 4 deals with hardened concrete and the theory of its various properties.

Chapter 5 describes the apparatus used, procedure followed for the execution of this project, results and the conclusions.

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