

**CIVIL ENGINEERING DEPARTMENT**  
**DIPLOMA PROJECT**  
**DESIGN OF HIGH STRENGTH CONCRETE WITH**  
 **$f_{cu} - 40\text{N/mm}^2$**   
**C/778**  
*By*  
**PAPADOPOULOS IOANNIS, 3CE2**  
**CHRISTODOULOU DESPO, 3CE1**  
**JUNE 1996**

HIGHER TECHNICAL INSTITUTE

CIVIL ENGINEERING DEPARTMENT

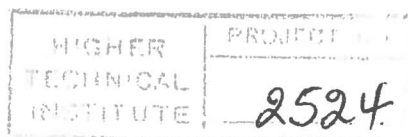
DIPLOMA PROJECT

Design of high strength concrete with  
 $f_{cu}=40\text{N/mm}^2$

C/778

Papadopoulos Ioannis, 3CE2  
Christodoulou Despo, 3CE1

JUNE 1996



**To our Families**  
**Yiannos Papadopoulos**  
**Despo Christodoulou**

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- Comments**
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## Acknowledgment

This project probably could not have been written if we had born in the knowledge, advice and work of all my tutors.

There are two names to mention. But we wish to express our warm thanks to our supervisor Mr. D. Antreou for his valuable help and encouragement during the period of our work on this project.

A note of appreciation goes to Mr. A. Botsaris, Civil Engineer for his advice and his help on the project.

Also we would like to thank Mr. Pelekanos and Mr. X' Georgiou for their valuable thank during the experimental work.

Finally we thanked Yiannakis Ioannou, Ellie Gavrielidou, Aristos Ioannou.

Their help was really valuable.

# SUMMARY

## DESIGN OF HIGH STRENGTH CONCRETE WITH $f_{cu} = 40\text{N/mm}^2$

The objective of this project was to create cubes with  $f_{cu} 40 \text{ N/mm}^2$ .

To be able to accomplish this strength we had to determine the characteristics of each and every element that consist the concrete.

To achieve that we separated the project into two parts :

- a. The theoretical
- b. The experimental