

**AN INVESTIGATION INTO THE OPTIMUM THICKNESS OF
INSULATION IN AIR CONDITIONED BUILDINGS**

by

IOANNIS FRANGOU

Project Report

Submitted to

the Department of Mechanical Engineering

of the Higher Technical Institute

Nicosia Cyprus

in partial fulfillment of the requirements

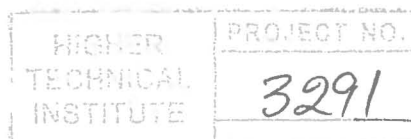
for the diploma of

TECHNICIAN ENGINEER

in

MECHANICAL ENGINEERING

June 2001



Dedicated to my family for their precious support during my attendance to the Higher Technical Institute.

ACKNOWLEDGMENTS

My sincere gratitude to Mr. I. Michaelides, my project supervisor, for his assistance and information given during my project work.

Also, my thanks to Mr. G. Thoma and Mr. C. Karsera for the useful hints, guidance and help they gave me.

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INTRODUCTION:

Everything around us has to do with energy. Even ourselves, our body is an engine, which burns food and oxygen and converts the energy released into body motion. Of course we all know that something to be manufactured or stay in motion needs energy.

Because there is a big need of energy in Cyprus, something must be done as far as energy conservation is concerned. Furthermore as we improve our standards of living, the problem of excessive energy consumption will be increasing.

So, people must realize that we have to save energy for our own good and the society. In this project we will try to discover the best solution to save energy using insulation in our house and consequently money saving.

If the results of such a project were followed correctly by our engineers in their studies and the people who fix the insulation obeyed correctly the instructions of the engineers and fixed insulation with the correct thickness, we would result in saving a considerable amount of money for the owner and furthermore for all of us.