Title:

An experimental study of the effect of Dust Content in Aggregattes on the strength and workability of Concrete.
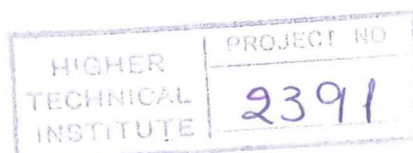
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Project Report Submitted to the Department of Civil Engineering of the Higher Technical Institute, Nicosia Cyprus.
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for the provisions of the materials

SUMMARY

For the investigation of this project's objectives and purposes a lot of work had been preceded and demanded. That is one preparation of materials. The collection of silt content form Mitsero Limestone aggregates was a very tough work requiring a lot of time spending on washing of aggregates, sieving and of course collecting the dust content.

It was not only the preparation of materials, but also the sampling procedure the making of samples referring to the correct proportions applied from the Concrete Mix design (each time with a different % of dust content).

The whole problem had to be carefully observed since theory and practice had to produce an accurate and satisfactory result.

From previous studies it was prooved that a percentage of 6 of silt content was enough thus adding more a bad quality of concrete could be produced. Of course, that was referred to a certain type of aggregates.

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