

SOUND INSULATION IN MALAYSIAN BUILDINGS
Case Studies on Airborne Transmission

PENEBATAN BUNYI BAGI BANGUNAN MALAYSIA
Suatu Kajian bagi Peralihan-Udarakasa

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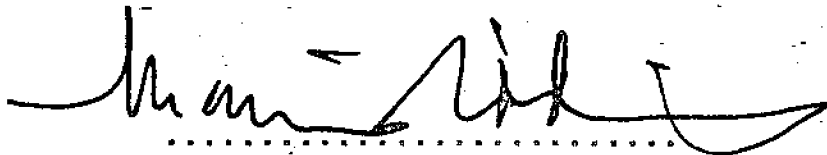
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1.0 TITLE

SOUND INSULATION IN MALAYSIAN BUILDINGS
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2.0 INTRODUCTION

Sound is a natural phenomenon that happens in the human environment. Without it the world would be static but if it exceeds its limit it will only be an ear aching sensation.

3.0 OBJECTIVE

From the study it is hoped that it will prove to those who are involved in the building industry to consider some of the acoustical values for buildings; especially in MALAYSIA.

A comparison is to be made between the Uniform Building
by-Laws of West Germany and the International (ISO)
Standard.

4.0 STUDY SCOPE

The study will involve various type of dwellings e.g studio type, condominium and terrace houses. However it will only concentrate on concrete constructions rather than timbers because it is known that timber is a poor sound insulation for building elements.

Previous records, studies and building regulations will also be discuss.

5.0 METHODOLOGY

Random samples will be taken and results will be studied and recorded.

For insulation measurement two rooms are required; the Sound Source Room is equipped with a Sound Speaker connected to the Building Acoustic Analyzer in Receiving Room. A microphone on the Microphone Rotating Boom will be taking the levels of sound and a plotter will plot the sequence on the bar charts.

All measurements will be taken in natural condition and the room spaces will be enclosed; (room acoustical leakage will be ignored).

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