

Noise Control in Buildings

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This book is subtitled *A Practical Guide for Architects and Engineers*. It provides a wealth of information, mainly without the use of mathematics, that can be used to ensure that noise control measures are incorporated into buildings during the design stage. The reader will find introductory material on the general aspects of sound transmission into buildings, properties of sound waves, sound absorption coefficients, and tables of sound absorption coefficients.

There are chapters on both airborne and structure-borne sound transmission, and several chapters on the control of specific noise sources in buildings. These include heating, ventilating, and air conditioning systems, noise in plumbing systems, noise in electrical and mechanical systems, and the uses of vibration isolators to control noise.

It is pointed out in the preface that extensive tables of the sound absorptive properties of materials are not generally available in the literature, and that the characteristics of acoustical materials manufactured in North America, Europe, and Asia have been collected and published as appendices to Chapter 3, *Sound Absorptive Materials*.