



# Materials for Architects and Builders, Second Edition: An Introduction

*By Arthur Lyons*

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**Materials for Architects and Builders, Second Edition: An Introduction** By Arthur Lyons

'Materials for Architects and Builders' covers the broad range of key materials used within the construction industry and is a descriptive introduction to the manufacture, key physical properties, specification and uses of the major building materials.

This new edition has been fully updated to take into account new materials that have come into use since the first edition in 1996. In particular there is increased emphasis on environmental concerns, with new chapters on ecological and energy saving materials such as photovoltaics.

The book is illustrated throughout with many photographs and diagrams showing materials and building components both individually and in use. Each chapter lists the up-to-date British and European Standards, revised Building Regulations together with related Building Research Establishment publications and suggested further reading.

- \* Essential reading for students of building, architecture and construction
- \* Extensive coverage all types of building materials
- \* Updated to include details on energy saving materials and techniques

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### **Editorial Review**

#### **Review**

"An excellent textbook ... thoroughly recommended ... necessary reading for not only students but professionals also" Structural Survey

" ... illustrated throughout with clear diagrams photographs and sketches... the quality of the publication is excellent... crammed full of information essential to students" The Lecturer,

#### **From the Publisher**

Throughout, the book is clearly illustrated with many photographs and diagrams showing materials and building components both individually and in use. Where relevant the environmental aspects of the building materials are considered. Each chapter lists the up-to-date British and European Standards together with related Building Research Establishment publications and suggested further reading. A selection of colour images illustrates the appropriate use of different construction materials within the context of quality architectural design.

#### **From the Back Cover**

- . Covers every type of building material in detail
- . Colour-illustrations show clearly the production, appearance and appropriate use of materials
- . Essential reading for students of architecture, building, construction, building surveying and architectural technology.

Materials for Architects and Builders provides an introduction to a wide range of building materials. It explains in detail the manufacture, key physical properties, specification and uses of the standard building products, everything a student would need to know. The book also describes many recent technological innovations and rediscovered materials, reflecting an increased concern for environmental issues within the Industry.

This new edition has been completely updated to reflect the amended Building Regulations, the latest British and European Standards as well as incorporating current advice and information from the Building Research Establishment.

Dr Arthur Lyons is a teacher fellow and principal lecturer in building materials at the Leicester School of Architecture within the Faculty of Art and Design at De Montfort University, UK. He has taught the subject of building materials for thirty five years to a wide range of students within the built environment disciplines.

### **Users Review**

#### **From reader reviews:**

#### **Catherine Scott:**

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