



Basic Construction Materials: Methods and Testing

By Theodore W.; Herubin, Charles A. Marotta

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For an undergraduate Construction materials course with a lab component taught in departments of Construction Management/Technology and Architecture. Offering an in-depth introduction to the real-world application of some of the most fundamental materials used in construction today, this informative and practical text reflects the latest industry standards, and fully prepares students for entry into the construction industry or for further study in construction methods, specification writing, design methods, or related engineering programs.

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Editorial Review

From the Publisher

This book is an in-depth introduction covering some of the basic materials used in construction. Thorough coverage of text material as well as industry standards provides preparation for further study in construction methods, specification writing, design methods, and so forth.

From the Back Cover

Here is a revised edition of a classic text presenting in-depth coverage of the most important materials used in the construction industry: aggregates, asphalt, asphalt concrete, masonry, Portland cement, Portland cement concrete, ferrous metals, and wood. In addition, industry standards from the American Society for Testing and Materials (ASTM), the American Concrete Institute (ACI), and the Engineered Wood Association are included.

Key features of this new edition:

- New illustration and problems.
- Updated to reflect the latest research on the construction materials covered.
- Metric information for those engaged in international work, U.S. government work, or any job requiring metric analysis.
- Includes the latest industry standards from ASTM and ACI.
- New charts on volume and area calculations.

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In *Basic Construction Materials*, 6th edition, I present some of the basic materials used in the construction industry. I introduce these materials to provide the reader with preparation for further academic course work in construction and engineering programs, or for entering the construction industry.

The basic materials selected are as follows:

- Aggregates
- Asphalt, asphalt concrete
- Portland cement, Portland cement concrete
- Masonry
- Ferrous metals
- Wood

These materials are widely used in construction and are some of those over which field people in the industry have the most control. Shaping these materials to final size, protecting them from the elements, and fitting them together are accomplished in the field to a greater extent than with most other materials.

The format of this book consists of text material as well as industry standards from the American Concrete Institute, the American Society for Testing and Materials, and the Engineered Wood Association, to be used as laboratory references. Because the construction industry is undergoing metrication, the appendix to this

book also includes valuable metric information.

I appreciate the continued assistance of the engineering, construction, and manufacturers' associations New that have provided valuable information for this book. Comments and assistance from my teaching and construction industry colleagues, as well as from my students, have been very helpful and are gratefully acknowledged. I would also like to acknowledge the continued support and assistance afforded me by the editorial staff at Prentice Hall.

As with any publication, any errors or omissions are the responsibility of the author. Therefore, I would appreciate notification of such, as well as suggested improvements, at **marotthe@hvcc.edu**.

T.W.M.

Users Review

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This Basic Construction Materials: Methods and Testing book is not really ordinary book, you have after that it the world is in your hands. The benefit you will get by reading this book will be information inside this e-book incredible fresh, you will get facts which is getting deeper you actually read a lot of information you will get. That Basic Construction Materials: Methods and Testing without we recognize teach the one who reading it become critical in pondering and analyzing. Don't be worry Basic Construction Materials: Methods and Testing can bring when you are and not make your bag space or bookshelves' become full because you can have it inside your lovely laptop even phone. This Basic Construction Materials: Methods and Testing having very good arrangement in word and layout, so you will not really feel uninterested in reading.

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