



1st ed. 2021, IX, 602 p. 712 illus., 696 illus. in color.

Printed book

Hardcover

74,99 € | £64.99 | \$89.99

^[1]80,24 € (D) | 82,49 € (A) | CHF 88,50

eBook

64,19 € | £51.99 | \$69.99

^[2]64,19 € (D) | 64,19 € (A) | CHF 70,50

Available from your library or [springer.com/shop](https://www.springer.com/shop)

MyCopy ^[3]

Printed eBook for just

€ | \$ 24.99

[springer.com/mycopy](https://www.springer.com/mycopy)

Manuel Bustillo Revuelta

Construction Materials

Geology, Production and Applications

Series: Springer Textbooks in Earth Sciences, Geography and Environment

- Equips students to understand the origin, production process, and features of the construction materials
- Numerous examples of construction materials help the reader to learn quickly about origin and applications of each one
- Outlines the main construction materials comprehensively with extensive number of illustrations

Construction Materials is a comprehensive textbook covering all raw materials and products related to the construction processes, and not only those applied to building structures. The book is organized to help readers achieve competent knowledge about construction materials. At the beginning of the book the author offers the general concepts, definitions, and standards adopted worldwide for these materials to be used along the book. The central part of the text covers the primary construction materials required to manufacture concrete and mortars, the most relevant construction materials in the last century. Expressly, concrete and mortar are treated in detail in dedicated chapters per component. In addition, the author addresses other relevant materials in construction such as ceramic materials, metals and alloys, bituminous materials, and geosynthetic materials. Finally, since the construction industry is one of the largest single waste producing sector in the world, the last chapter outlines the main types and characteristics of construction and demolition waste (e.g. recycled aggregates). The book appeals to students but also professionals interested in construction materials and construction and civil engineering.

Order online at [springer.com](https://www.springer.com) / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: customerservice@springernature.com. / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: customerservice@springernature.com.

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

