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Geomaterials under the Microscope
- A Colour Guide

Building stone, roofing slate, aggregate, concrete, mortar, plaster, bricks, ceramics and bituminous mixtures

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192 pp
365 colour photos
26 tables
261 x 194 mm page size
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Description:
Geomaterials are of enormous economic importance to the global construction industry. This is the first comprehensive guide to the petrography of geomaterials, making the petrographers specialist knowledge available to practitioners, educators and students worldwide interested in modern and historic construction materials, be they microscopists or in the fields of geology, architechture, surveying, engineering, construction, archaeology, conservation, materials science and forensic science.
The book provides some 365 superb quality colour photomicrographs of geomaterials plus concise explanations of their petrographic properties and how to interpret them.
An introductory chapter provides an overview of geomaterials practice and a state-of-the-art review of petrographic techniques. Each of the subsequent chapters covers a different group of construction materials and includes an explanation of their history, manufacture and use in construction. The text draws upon diverse published references to provide a unique summary of the properties and classification of construction materials. Comprehensive lists of further reading are provided for each materials type.

Readership:
Practitioners, educators and students in Petrography, Microscopy, Geology, Surveying, Engineering, Archaeology, Conservation, Architecture, Materials science and Forensic science.

Key Features:

- First comprehensive guide to the petrography of geomaterials.
- Worldwide value to all interested in modern and historic construction materials.
- Top quality colour photomicrographs.
- Concise explanatory text.