



Waste and Supplementary Cementitious Materials in Concrete

Characterisation, Properties and Applications

Edited by Rafat Siddique and Paulo Cachim



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AUDIENCE

Civil engineers, structural and materials scientists, architects and structural designers

Waste and Supplementary Cementitious Materials in Concrete

Characterisation, Properties and Applications

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Provides a comprehensive, state-of-the-art review of the effective and efficient use of waste and other supplementary cementitious materials in construction

A Volume in the Woodhead Publishing Series in Civil and Structural Engineering.

KEY FEATURES

- Focuses on material properties and applications (as well as 'sustainability' aspects) of cementitious materials
- Assembles leading researchers from diverse areas of study
- Ideas for use as a 'one stop' reference for advanced postgraduate courses focusing on sustainable construction materials

DESCRIPTION

Waste and Supplementary Cementitious Materials in Concrete: Characterisation, Properties and Applications provides a state-of-the-art review of the effective and efficient use of these materials in construction. Chapters focus on a specific type of material, addressing their characterization, strength, durability and structural applications. Sections include discussions of the properties of materials, including their physical, chemical and characterization, their strength and durability, modern engineering applications, case studies, the state of codes and standards of implementation, cost considerations, and the role of materials in green and sustainable construction. The book concludes with a discussion of research needs.



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