Premier Reference Source

Production, Properties, and Applications of Engineered

Cementitious Composites

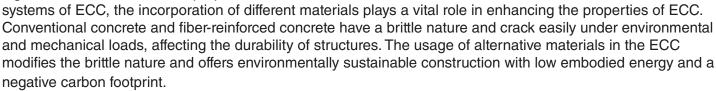
Production, Properties, and Applications of Engineered Cementitious Composites

Part of the Advances in Chemical and Materials Engineering Book Series

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Description:

Engineered cementitious composites (ECC) is a new type of fiber-reinforced bendable cementitious composite that is used in various civil engineering applications instead of conventional and fiber-reinforced concrete due to its high mechanical and durable properties. In the macro and micro mechanic



Production, Properties, and Applications of Engineered Cementitious Composites highlights the new and innovative ways of production, properties, and various applications of engineered cementitious composites. The main focus of the book is on the latest advancements, technical knowledge, tools, and solutions for engineered cementitious composites manufacturing, design, and technologies for construction from various perspectives. Covering key topics such as alternative materials, mineral admixtures, and testing of engineered cementitious composites, this premier reference source is ideal for engineers, industry professionals, researchers, academicians, scholars, practitioners, instructors, and students.

Mineral Admixtures

Modeling of Engineered Cementitious Composites

Production of Engineered Cementitious Composites

Properties of Engineered Cementitious Composites

Resilience of Engineered Cementitious Composites

Testing of Engineered Cementitious Composites

Topics Covered:

Advancements in Engineered
Cementitious Composites
Alternative Materials
Applications of Engineered
Cementitious Composites
Engineered Cementitious Composites

Subject: Science and Engineering Classification: Edited Reference

Readership Level: Advanced-Academic Level Research Suitable for: Advanced Undergraduate

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