

Calcined Clays for Sustainable Concrete

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Karen Scrivener · Aurélie Favier
Editors

Calcined Clays for Sustainable Concrete

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for Sustainable Concrete

 Springer

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Preface

The most promising route to improving the sustainability of cement and concrete is to blend Portland cement clinker with substitution materials often referred to as supplementary cementitious materials (SCMs). However, supplies of the most common SCMs, which are slag and fly ash, are quite limited compared to the worldwide production of cement. Calcined clays are the most promising source of additional SCMs which can make a substantial contribution to lowering further the environmental impact of cement and concrete.

The book of proceedings of the international conference on the calcined clay for sustainable concrete contains papers written by practitioners and researchers from all continents. They brought together the advanced studies on the use of calcined clays in concrete. The topics covered are clays geology, hydration of blended cement, performance, alkali-activated binders, economical and ecological impacts and field applications.

The Editors would like to thank the authors for the outstanding contributions which reflect the scientific character of their work.

All papers were published without selection process to permit a full and truly international nature of these proceedings.

Finally, the Editors would like to thank the various organisations for their contribution and help in making these proceedings and conference a success.

Karen Scrivener
Aurélie Favier

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