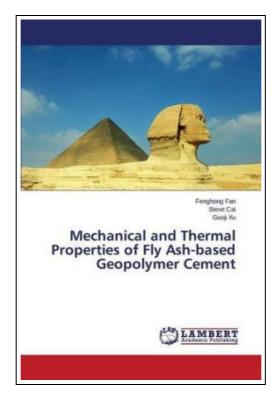
Mechanical and Thermal Properties of Fly Ash-based Geopolymer Cement



Filesize: 2.05 MB

Reviews

Undoubtedly, this is the best job by any article writer. This really is for all those who statte that there was not a worth reading. I am very easily can get a enjoyment of reading a published pdf.

(Rowena Leannon)

MECHANICAL AND THERMAL PROPERTIES OF FLY ASH-BASED GEOPOLYMER CEMENT



LAP Lambert Academic Publishing Apr 2015, 2015. Taschenbuch. Book Condition: Neu. 220x150x6 mm. This item is printed on demand - Print on Demand Neuware - French scientist Prof Davidovits proved that the Pyramids in Egypt 5000 years ago and the Great Wall in China in Song Dynasty 600 years ago were all built by geopolymer technology. The geopolymer cement has been recognized as a more durable 'green' material with less CO2 emission and less energy consuming as compared with the widely used Portland cement. It is predicted that the geopolymer will replace the Portland cement and lead to a revolution in civil engineering. Every great breakthrough in the civil engineering history is due to the research and application of new materials in civil engineering, such as the occurrence of concrete and steel, etc. In this book, an experimental study of the thermo-mechanical properties of a cement prepared using a class F fly ash and three different alkaliactivators (NaOH, KOH, and Na2SiO3) under different hydroxide/silicate ratios is presented. The tested results show that the geopolymer cement cured at appropriate conditions can reach a compressive strength of 113.8MPa and it also has an excellent heat resistance with a remarkable residual strength 95.9 MPa and no spallation even when suddenly cooled down by water after the 500oC heating. 92 pp. Englisch.



Download PDF Mechanical and Thermal Properties of Fly Ash-based Geopolymer Cement

Relevant eBooks



Decameron and the Philosophy of Storytelling: Author as Midwife and Pimp (Hardback)

 $Columbia\ University\ Press,\ United\ States,\ 2005.\ Hardback.\ Book\ Condition:\ New.\ New.\ 236\times155\ mm.\ Language:\ English.\ Brand\ New\ Book.\ In\ this\ creative\ and\ engaging\ reading,\ Richard\ Kuhns\ explores\ the\ ways\ in\ which\ Decameron...$

Download ePub »



Hands Free Mama: A Guide to Putting Down the Phone, Burning the To-Do List, and Letting Go of Perfection to Grasp What Really Matters!

ZONDERVAN, United States, 2014. Paperback. Book Condition: New. 211 x 137 mm. Language: English . Brand New Book. Rachel Macy Stafford s post The Day I Stopped Saying Hurry Up was a true phenomenon on...

Download ePub »



It's Just a Date: How to Get'em, How to Read'em, and How to Rock'em

 $Harper Collins\ Publishers.\ Paperback.\ Book\ Condition:\ new.\ BRAND\ NEW,\ It's\ Just\ a\ Date:\ How\ to\ Get'em,\ How\ to\ Read'em,\ and\ How\ to\ Rock'em,\ Greg\ Behrendt,\ Amiira\ Ruotola-Behrendt,\ A\ fabulous\ new\ guide\ to\ dating...$

Download ePub »



Leave It to Me (Ballantine Reader's Circle)

Ballantine Books. PAPERBACK. Book Condition: New. 0449003965 12+ Year Old paperback book-Never Read-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy-Iship FAST...

Download ePub »



You Shouldn't Have to Say Goodbye: It's Hard Losing the Person You Love the Most

Sourcebooks, Inc. Paperback / softback. Book Condition: new. BRAND NEW, You Shouldn't Have to Say Goodbye: It's Hard Losing the Person You Love the Most, Patricia Hermes, Thirteen-year-old Sarah Morrow doesn't think much of the...

Download ePub »