



icma

International Cement Microscopy Association

Proceedings of the Nineteenth International Conference On Cement Microscopy April 27-May 1, 1997 Cincinnati, Ohio

Author: L. Adams

Title: Ettringite, The Positive Side

pp: 1-13

Author: Lawrence L. Sutter, Paul Lehoux, George R. Dewey

Title: Composition Based Phase Distribution Analysis of Portland Cement Clinker

pp: 14-29

Author: Kristen Theisen

Title: Quantitative Determination of Clinker Phases and Pore Structure Using Image Analysis

pp: 30-44

Author: W. J. Caveny, Rickey Morgan, Sudhir Mehta

Title: Effects of Oil Contamination on Cement Thickening Time and Strength Development

pp: 45-55

Author: K. O. Kjellsen, R. J. Detwiler, O. H. Wallevik

Title: Microstructural Examination of an 8-Year-Old Silica Fume Concrete Bridge Deck Overlay

pp: 56-63

Author: D. Herfort, J. Soerensen, E. Coulthard

Title: Mineralogy of Sulphate Rich Clinker and the Potential for Internal Sulphate Attack

pp: 64-85

Author: Gisli Gudmundsson, Jon Moller

Title: Intermilled Silica Fume in Cement and Concrete

pp: 86-92

Author: Donald H. Campbell
Title: Light Microscopy of Some Pozzolanic Materials
pp: 93

Author: M. Radonjuc, G. C. Allen, P. J. Heard, V. Ragnarsdottir, R. Livesey
Title: Applications of Focussed Ion Beam Optical Spectroscopy (FIBOS) to Alkali Aggregate Reactivity in Concrete
pp: 94-102

Author: E. E. Hekal
Title: Effect of Silica Fume on Physicochemical and Mechanical Properties of Hardened Cement Pastes: I-Hydration Kinetics and Microstructure of The Hydrates
pp: 103-117

Author: Takakazu Ooi
Title: Morphological Aspect and Hydration of Cement Particles Dispersed in The Concrete Specimen
pp: 118-129

Author: Wase U. Ahmed
Title: New Equipment Methods for Preparing Concrete & Concrete Making Materials for Petrographic Examination
pp: 130-140

Author: Manhua Xu
Title: Analysing Gypsum-Bearing Phase in Hydrating B-Dicalcium Silicate
pp: 141-150

Author: Bjorn Lagerblad, Berit Jacobsson
Title: Smectite Clays and Concrete Durability
pp: 151-162

Author: Mimoun Aouine, Francois Sorrentino, Claude Esnouf, Denis Damidot
Title: Characterisation by TEM of Silica Fume/C3S Paste Interfacial Zone
pp: 163-178

Author: Stella L. Marusin
Title: Scanning Electron Microscope (SEM) Studies to Determine GEL Developments as Distress Mechanisms in Concrete
pp: 179-194

Author: H. Pollmann, Herbert, J. Neubauer, Jurgen, Konig, Uwe, Motzet, Hubert
Title: Clinker Quality Control Using Combined Methods - A Study Using Microscopy and X-Ray Techniques - Especially Rietveld Method
pp: 195-221

Author: E. E. Hekal

Title: Effect of Silica Fume on Physicochemical and Mechanical Properties of Hardened Cement Pastes: II-Dehydration-Rehydration of the Hardened Cement Pastes

pp: 222-241

Author: Lawrence D. Adams

Title: A New, Boron-Stabilized Belite Cement

pp: 242-253

Author: M. F. Kotkata, S. A. Abo-El-Enein, G. B. Hanna, Saad Morsy

Title: Physico-Mechanical and Microstructure Characteristics of Thermally Treated Concrete

pp: 254-260

Author: Moncef Nehdi, Sidney Mindess

Title: Computer Assisted Electron Microscopy of High-Performance Concrete Made with Composite Cements

pp: 261-274

Author: Ulla Hjorth Jakobsen, Vagn Johansen, Niels Thaulow

Title: Optical Microscopy - A Primary Tool in Concrete Examination

pp: 275-294

Author: J. Neubauer, H. Pollmann

Title: Rietveld Calculation - A High Performance Instrument in Automatic Quality Control Systems of Clinker and Cement Production

pp: 295-305

Author: Chris Rogers, Mike Thomas, Holger Lohse

Title: Thaumasite From Manitoba and Ontario, Canada

pp: 306-319

Author: M. Radonjic, G. C. Allen, V. Ragnarsdottir, P. Livesey

Title: SEM Study of The Expansion Mechanisms of Alkali Carbonate Reaction

pp: 320-330

Author: Jonathan E. Dongell

Title: Investigation of Unsound Mortar in Swimming Pools in Southern California Showing Ettringite and A.S.R

pp: 331-354

Author: Thomas Silverstrim, Dr. Hossein Rostami, Boyd Clark, Dr. Joseph Martin

Title: Microstructure and Properties of Chemically Activated Fly Ash Concrete

pp: 355-373

Author: Linda M. Hills, Fulvio J. Tang

Title: The Effect of Kiln Atmosphere on Clinker Phase Reactivity

pp: 374-382