CONSTRUCTION MATERIALS
Vol. 163 - 2010

SPIS TREŚCI

Is. 1

1   Editorial / M.A. Lacasse

BRIEFING
3   New materials - some recent research / J.H. Bungey

PAPERS
7   Research on new applications for granulated rubber in concrete / K.A. Paine and R.K. Dhir
19  Long-term strength of rubberised concrete paving blocks / T.C. Ling, H.M. Nor, M.R. Hainin and S.K. Lim
27  Behaviour of latex-modified concrete under cyclic loading / B.K. Prasad, U. Gupta and U.B. Choubey
45  Cracked permeability of hybrid-fibre-reinforced concrete / A. Sivakumar and M. Santhanam

51  Elsewhere in ICE Proceedings
53  Announcement: Award-winning paper in 2008
54  Construction Materials: Referees for 2009
55 Editorial / S. Mackay

BRIEFINGS
57 How to research and publish new concrete ingredients / P. Claisse, M. Tyrer and S. Coupe
61 EPS - alternative to traditional fill materials / A. Walker

PAPERS
63 Study on the effect of granite powder on concrete properties / F.K. Thomas and P. Partheeban
71 Effects of w/c ratio on Portland limestone cement concrete / A. Pourkhorshidi, M. Jamshidi and M. Najimi
77 Genetic algorithm rheological equations for cement paste / S. Al-Martini and M. Nehdi
87 Sustainable masonry mortar for brick joint and plaster in the UK / J.E. Oti, J. K. Kinuthia and J. Bai
97 Effect of steel corrosion pattern on RC beam performance / R.J. Zhang, A. Castel and R. Francois
123 Book review
Editorial / J. P. Forth

BRIEFING

PAPERS
Engineering properties of concrete made with slate waste / J. E. Oti, J. M. Kinuthia, J. Bai, R. Delpak and D. G. Snelson
Recycling of metamorphic rock waste in ecological cement / Y. Ding, S. Jalali and C. Niederegger
Use of cement kiln dust in blended cement concretes / M. Maslehuddin, O. S. B. Al-Amoudi, M. Kalimur Rahman, M. Shameem and M. Ibrahim
Sustainable soil stabilisation with blastfurnace slag - a review / R. M. Nidzam and J. M. Kinuthia
Microwave vitrification for lightweight aggregate manufacture / J. P. Robinson, A. R. Parry, J. R. A. Grenfell and N. Ghazireh
Effects of heat and mixing time on self-compacting concrete / S. Al-Martini and M. Nehdi

Book reviews
187 Editorial / R. Cullum

BRIEFINGS
189 Innovative cladding at the Think Tank’ / B. Pilbeam and J. Barfield
191 New regulations will require chemical emissions testing / G. Davies

PAPERS
195 European standards in road construction / I. D. Walsh
201 Concrete performance using locally produced kaolin / W. F. Pan and H. A. Razak
211 Laboratory and field performance of maturity functions / M. Lachemi, K. M. A. Hossain, C. Anagnostopoulos and A. R. Sabouni
223 Curing time and behaviour of high-performance concrete / A. Poursae and C. M. Hansson
239 Detrimental effects on coastal concrete by Ulva fasciata / S. Jayakumar and R. Saravanane

247 Book reviews

Oprac. BPK