



Volume 32, Issue 1, 2010

ISSN: 0958-9465

# *Cement & Concrete*

# *Composites*

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)



Editor: J.E. Bolander

Associate Editor: D.P. Bentz

---

<http://www.elsevier.com/locate/cemconcomp>

CONTENTS

Volume 32, Issue 1, 2010

- 1 Utilization of natural zeolite in aerated concrete production  
C. KARAKURT, H. KURAMA & İ.B. TOPÇU (Turkey)
- 9 Durability performance of concrete made with fine recycled concrete aggregates  
L. EVANGELISTA & J. DE BRITO (Portugal)
- 15 Influence of mineralogical composition on the properties of lightweight aggregate  
H. SHUGUANG, Y. TINGTING & W. FAZHOU (China)
- 19 Role of lightweight fillers on the properties of a mixed-binder mortar  
L.M. SILVA, R.A. RIBEIRO, J.A. LABRINCHA & V.M. FERREIRA (Portugal)
- 25 Dimensional change and elastic behavior of layered silicates and Portland cement paste  
J.J. BEAUDOIN, L. RAKI, R. ALIZADEH & L. MITCHELL (Canada)
- 34 Chloride resistance of concrete and its binding capacity – Comparison between experimental results and thermodynamic modeling  
R. LOSER, B. LOTHENBACH, A. LEEMANN & M. TUCHSCHMID (Switzerland)
- 43 Effect of temperature on the rheology of flowable mortars  
J.-Y. PETIT, E. WIRQUIN (France) & K.H. KHAYAT (Canada)
- 54 Effect of milling and acid washing on the pozzolanic activity of incinerator sewage sludge ash  
S. DONATELLO, A. FREEMAN-PASK, M. TYRER & C.R. CHEESEMAN (UK)
- 62 Behavior of high performance fiber reinforced cement composites under multi-axial compressive loading  
K. SIRIJARONCHAI, S. EL-TAWIL & G. PARRA-MONTESINOS (United States)
- 73 Dimensional and ice content changes of hardened concrete at different freezing and thawing temperatures  
B. JOHANNESSON (Denmark)
- 84 Capillary absorption in concrete and the *Lucas–Washburn* equation  
L. HANŽIČ, L. KOSEC & I. ANŽEL (Slovenia)
- 92 Does microstructure matter for statistical nanoindentation techniques?  
F.-J. ULM (United States), M. VANDAMME (France), H.M. JENNINGS, J. VANZO, M. BENTIVEGNA (United States),  
K.J. KRAKOWIAK (Portugal), G. CONSTANTINIDES (Cyprus), C.P. BOBKO & K.J. VAN VLIET (United States)
- 100 News: conferences and symposia



ELSEVIER



0958-9465(201001)32:1;1-X

*(Abstracted/Indexed in: Applied Mechanics Reviews; Cambridge Scientific Abstracts; Chemical Abstracts; Concrete Abstracts; C.R.I. Abstracts; Engineering Index; HRIS; J. of Ferroc.; Materials Information; RICS). Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®.*