

*Cement &  
Concrete*

*Composites*

Editor R.N. Swamy  
Associate Editor A.E. Naaman

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





(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)

CONTENTS

Volume 25 Numbers 4-5 2003

Special Issue

CONCRETE DURABILITY

Guest Editor: M. Maslehuddin

- 399 Editorial
- 401 A state-of-the-art review on delayed ettringite attack on concrete  
M. COLLEPARDI (Italy)
- 409 The durability characteristics of high performance concrete: a review  
P.C. AİTCIN (Canada)
- 421 Durability of proprietary cementitious materials for use in wastewater transport systems  
H. SARICIMEN, M. SHAMEEM, M.S. BARRY, M. IBRAHIM & T.A. ABBASI (Saudi Arabia)
- 429 Sulfate resistance of plain and blended cements exposed to varying concentrations of sodium sulfate  
S.U. AL-DULAIJAN, M. MASLEHUDDIN, M.M. AL-ZAHRANI, A.M. SHARIF, M. SHAMEEM & M. IBRAHIM (Saudi Arabia)
- 439 Effectiveness of corrosion inhibitors in contaminated concrete  
O.S.B. AL-AMOUDI, M. MASLEHUDDIN, A.N. LASHARI & A.A. ALMUSALLAM (Saudi Arabia)
- 451 Modelling the leaching kinetics of cement-based materials—influence of materials and environment  
S. KAMALI, B. GÉRARD & M. MORANVILLE (France)
- 459 Reinforcement corrosion in concrete structures, its monitoring and service life prediction—a review  
S. AHMAD (Saudi Arabia)
- 473 Effectiveness of surface coatings in improving concrete durability  
A.A. ALMUSALLAM, F.M. KHAN, S.U. DULAIJAN & O.S.B. AL-AMOUDI (Saudi Arabia)
- 483 Natural marine exposure results for reinforced concrete slabs with corrosion inhibitors  
I.L. KONDRATOVA, P. MONTES & T.W. BREMNER (Canada)
- 491 Chloride-induced corrosion on reinforcing steel: from the fundamentals to the monitoring techniques  
M.F. MONTEMOR, A.M.P. SIMÕES & M.G.S. FERREIRA (Portugal)

(Continued on inside back cover)

**CONTENTS**  
**Direct**

This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: <http://contentsdirect.elsevier.com>

Also available on

SCIENCE @ DIRECT®



www.sciencedirect.com

ELSEVIER

02012