

Accepted Manuscript

Title: Diagnosis of carbonation induced corrosion initiation and progression in reinforced concrete structures using piezo-impedance transducers

Author: V. Talakokula S. Bhalla R.J. Ball C.R. Bowen G.L. Pesce R. Kurchania B. Bhattacharjee A. Gupta K. Paine



PII: S0924-4247(16)30087-5
DOI: <http://dx.doi.org/doi:10.1016/j.sna.2016.02.033>
Reference: SNA 9544

To appear in: *Sensors and Actuators A*

Received date: 22-8-2015
Revised date: 22-1-2016
Accepted date: 16-2-2016

Please cite this article as: V.Talakokula, S.Bhalla, R.J.Ball, C.R.Bowen, G.L.Pesce, R.Kurchania, B.Bhattacharjee, A.Gupta, K.Paine, Diagnosis of carbonation induced corrosion initiation and progression in reinforced concrete structures using piezo-impedance transducers, *Sensors and Actuators: A Physical* <http://dx.doi.org/10.1016/j.sna.2016.02.033>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Diagnosis of carbonation induced corrosion initiation and progression in reinforced concrete structures using piezo-impedance transducers

V. Talakokula¹, S. Bhalla^{2}, R. J. Ball³, C. R. Bowen⁴, G. L. Pesce³, R. Kurchania⁵, B. Bhattacharjee², A. Gupta², and K. Paine³*

¹Department of Civil Engineering, ABES Engineering College, Ghaziabad, (INDIA),

²Department of Civil Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016 (INDIA),

³Department of Architecture and Civil Engineering, University of Bath, Bath, BA2 7AY, (UNITED KINGDOM)

⁴Department of Mechanical Engineering, University of Bath, Bath, BA2 7AY, (UNITED KINGDOM)

⁵Department of Physics, Maulana Azad National Institute of Technology (MANIT), Bhopal, 462051 (INDIA)

*Corresponding author (Email: sbhalla@civil.iitd.ac.in)

Download English Version:

<https://daneshyari.com/en/article/7134976>

Download Persian Version:

<https://daneshyari.com/article/7134976>

[Daneshyari.com](https://daneshyari.com)