

Volume 10, Number 1  
February 2017  
ISSN: 1983-4195

### Contents

***Economic viability of ultra high-performance fiber reinforced concrete in prestressed concrete wind towers to support a 5 MW turbine***

P. V. C. N. GAMA AND T. N. BITTENCOURT

1

***Influence of coarse aggregate on shear resistance of self-consolidating concrete beams***

G. SAVARIS AND R. C. A. PINTO

30

***Numerical analysis of nonlinear behavior of steel concrete composite structures***

Í. J. M. LEMES, A. R. D. SILVA, R. A. M. SILVEIRA AND P. A. S. ROCHA

53

***Tools for assessing damage in concrete affected by AAR coming from fine and coarse aggregates***

L. F. M. SANCHEZ, B. FOURNIER, M. JOLIN AND J. BASTIEN AND D. MITCHELL

84

***Cement blocks with EVA waste for extensive modular green roof: contribution of components in thermal insulation***

A. B. DE MELO AND T. N. M. MENDONÇA

92

***Adherence between steel bars and lightweight concrete with EPS beads***

A. L. SARTORI, L. M. PINHEIRO, R. M. DA SILVA, S. B. FREITAS AND T. G. CESAR

122

***Experimental analysis of the concrete contribution to shear strength beams without shear reinforcement***

M. S. SAMORA, A. C. DOS SANTOS, L. M. TRAUTWEIN AND M. G. MARQUES

160

***Skew decks in reinforced concrete bridges***

B. F. ROCHA AND M. SCHULZ

192

***Intumescent paint as fire protection coating***

R. B. R.S. OLIVEIRA, A. L. MORENO JUNIOR AND L. C. M. VIEIRA

220

***Influence of standard recommendations for the calculation of the column-base connection by socket according to ABNT NBR 9062:2006***

R. PIERALISI AND R. D. MACHADO

244