

IBRACON Structures and Materials Journal

Revista IBRACON de Estruturas e Materiais

Contents

Fracture bi-linear model parameters and brittleness of high-performance concretes for paving: why fatigue tests matters and cannot be spared?..... 14101
J. T. BALBO, A. A. SEVERI, T. C. CERVO and A. P. CARGNIN

Shear friction capacity of self-consolidating concrete 14102
G. SAVARIS and R. C. A. PINTO

Analysis of constructive effect and soil-structure interaction in tall building projects with shallow foundations on sandy soils 14103
O. C. MARQUES, L. A. FEITOSA, K. V. BICALHO and E. C. ALVES

A simplified numerical and analytical study for assessing the seismic response of a gravity concrete lock 14104
N. B. MENDES, L. J. PEDROSO and P. M. V. RIBEIRO

Second-order torsion effects in concrete buildings 14105
R. B. ANDRADE and P. G. B. NOBREGA

Punching shear strength of waffle flat slabs 14106
R. J. C. SILVA, D. R. C. OLIVEIRA, N. G. B. ALBUQUERQUE, F. E. S. SILVA JR. and F. S. LEITE

Numerical analysis of the influence of block geometry on the behavior of piled foundations..... 14107
J. R. GARCIA and P. J. R. ALBUQUERQUE

Numerical analysis of RC wall with opening and strengthened with CFRP ... 14108
M. A. SILVA, R. A. S. DIAZ, L. C. ALMEIDA and L. M. TRAUTWEIN

Influence of recycled concrete aggregates on the shear strength of reinforced concrete beams 14109
A. C. CARDOSO, I. G. LIMA, M. P. FERREIRA and R. A. SOUZA

Numerical evaluation of the slab effective width in steel-concrete composite box girder bridges 14110
R. S. NICOLETTI and A. S. C. SOUZA

Reinforced concrete flat slabs with openings at different distances from the column 14111
D. S. LOURENCO, E. A. P. LIBERATI, M. G. MARQUES, L. C. ALMEIDA and L. M. TRAUTWEIN

Shear failure in reinforced concrete members without transverse reinforcement: analysis of model error of NBR6118:2014..... 14112
V. P. BARROS, A. T. BECK and T. N. BITTENCOURT

Current condition of the exposed concrete façades reinforcement of the Vilanova Artigas building: modern architectural heritage 14113
A. ARAUJO, C. A. OLIVEIRA and T. R. S. SIMAO

Influence of cement type, air-entrained admixture and hydration stabilizing admixture on mortars' setting time..... 14114
J. P. ANTONIAZZI, G. MOHAMAD and J. M. CASALI

Monolithic equivalent stiffness of precast columns with grouted splice sleeve connections 14115
M. A. FERREIRA, L. A. BACHEGA and B. CATOIA



Cover: Parametric Tower

Courtesy: Marcela Noronha P. de O. e Sousa



IBRACON

IBRACON Structures and Materials Journal is published bimonthly (February, April, June, August, October, and December) by IBRACON.

IBRACON
Instituto Brasileiro do Concreto Founded in 1972

Av. Queiroz Filho, nº 1700 — sala 407/408
Torre D — Villa Lobos Office Park
CEP 05319-000 — São Paulo, SP — Brazil
Phone: +55 11 3735-0202

Fax: +55 11 3733-2190

E-mail: riem@ibracon.org.br

Website: <http://www.ibracon.org.br>

Cover design & Layout: Editora Cubo
www.editoracubo.com.br