

IBRACON Structures and Materials Journal

Revista IBRACON de Estruturas e Materiais

Contents

- Assessment of design codes for the in-service behaviour of steel-concrete composite slabs* 14501
L. A. M. OLIVEIRA, T. M. BORGHI, Y. O. RODRIGUES and A. L. H. C. EL DEBS
- Thermal numerical analysis of steel and steel and concrete composite columns in a fire situation aimed at the evaluation of the simplified method of ABNT NBR 14323:2013* 14502
M. L. ROSSI, Y. S. SIMOES, J. MUNAIAR NETO and A. L. CASTRO
- Influence of concrete strength, fiber content and aspect ratio in the residual flexural strength of steel fiber reinforced self-compacting concrete* 14503
M. G. CARDOSO, R. M. LAMEIRAS and V. M. S. CAPUZZO
- Structural analysis of pile cap as onshore wind turbine foundation* 14504
K. Y. M. ARAUJO, R. BARROS and J. A. NASCIMENTO NETO
- Numerical analysis of the behavior of beam-column precast connections without continuity reinforcement* 14505
J. V. M. A. SILVA, L. VANALLI, L. A. F. SOUZA and C. P. M. ROLIM
- Punching shear in flat slabs by strut and tie model* 14506
R. J. C. SILVA, D. R. C. OLIVEIRA, N. G. B. ALBUQUERQUE, T. A. GOMES and A. K. L. L. NZAMBI
- Flexure shear capacity of prestressed hollow core slabs* 14507
B. CATOIA, A. L. ROCHA and M. A. FERREIRA
- Theoretical analysis of the behavior of steel frame infilled with masonry walls by the diagonal strut method* 14508
A. B. C. D. GRANDI, R. M. SILVA, R. C. S. S. ALVARENGA, J. C. L. RIBEIRO, G. A. PARSEKIAN and W. A. MEDEIROS
- Thermal analysis of steel and concrete composite beams cross sections in fire situations* 14509
M. S. F. DIAS and V. J. KARAM
- Effect of Carbon Nanotubes (CNTs) aspect ratio on the rheology, thermal conductivity and mechanical performance of Portland cement paste* 14510
E. BATISTON, P. J. P. GLEIZE, P. MEZZOMO, F. PELISSER and P. R. MATOS
- Development and validation of an ultrasound imaging software for nondestructive evaluation of concrete pavements* 14511
H. L. L. SEIFFERT and J. T. BALBO
- Assessment of the effect of changes in consolidation conditions in the advance of the carbonation front in cementitious matrix composites* 14512
R. G. R. SILVA, A. G. MAGALHAES, C. A. CAMPOS and I. R. SILVA



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