

Volume 13, Number 3

June 2020

ISSN: 1983-4195

Contents

Evaluation of the impact of two types of steel fibers (SE), mono and 3D, on concrete properties, when added isolated or blended

A. L. BAUER, H. EHRENBRING, D. SCHNEIDER, U. C. M. QUININO AND B. TUTIKIAN

464

Characterization of pervious concrete focusing on non-destructive testing

S. T. MARTINS FILHO, E. M. BOSQUESI, J. R. FABRO and R. PIERALISI

483

Use of ornamental rock waste as a partial substitute for binder in the production of structural concrete

F. R. TEIXEIRA, F. C. MAGALHÃES, G. B. WALLY, F. K. SELL JUNIOR, C. M. PALIGA and A. S. TORRES

501

Experimental analysis of longitudinal shear of composite slabs

G. F. J. BRITTO, V. S. SILVA and J. P. GONÇALVES

515

Influence of the cementitious matrix on the behavior of fiber reinforced concrete

A. M. LEITE and A. L. DE CASTRO

543

Assessment of the dynamic structural behaviour of footbridges based on experimental monitoring and numerical analysis

G. L. DEBONA and J. G. S. DA SILVA

563

Experimental and numerical characterization of the interface between concrete masonry block and mortar

R. D. PASQUANTONIO, G. A. PARSEKIAN, F. S. FONSECA and N. G. SHRIVE

578

Wind load effect on the lateral instability of precast beams on elastomeric bearing supports

M. T. S. A. CARDOSO and M. C. V. LIMA

593

Early-age behavior of blast-furnace slag cement pastes produced with carbon nanotubes grown directly on clinker

P. A. SOARES, A. Z. BENEDETTI, T. C. SOUZA, J. M. CALIXTO and L. O. LADEIRA

603

Performance of concrete with the incorporation of waste from the process of stoning and polishing of glass as partial replacement of cement

G. C. GUIGNONE, G. L. VIEIRA, R. ZULCÃO, M. K. DEGEN, S. H. M. MITTRI and C. R. TELES

613

From numerical prototypes to real models: a progressive study of aerodynamic parameters of nonconventional concrete structures with Computational Fluid Dynamics

C. V. S. SARMENTO, A. O. C. FONTE, L. J. PEDROSO and P. M. V. RIBEIRO

628

Evaluation of external sulfate attack (Na_2SO_4 and MgSO_4): Portland cement mortars containing fillers

D. J. DE SOUZA, M. H. F. MEDEIROS and J. HOPPE FILHO

644