

Founded in 1927

Published by ACC Limited, L.B. Shastri Road, Near Teen Haath Naka, Thane (W) 400604.

The contents of this journal are contributions of individual authors, and reflect their independent opinions, findings, conclusions and recommendations and do not necessarily imply that they reflect the views of the Publisher, ACC Limited. The Publishers are not liable for any damage or inconvenience, caused to anyone who may have acted on the information contained in the publication.

The Indian Concrete Journal, ISSN 0019-4565
Copyright © 2015 ACC Limited.

ACC Limited - Registered Office – Cement House, 121, Maharshi Karve Road, Mumbai 400 020.

The copyright, database rights and similar rights in all materials published in The Indian Concrete Journal are owned by ACC Limited. None of this material may be used for any commercial or public use, other than for the purpose of fair dealing, research or private study, or review of the contents of the journal, in part or in whole, and may not be reproduced or stored in any media for mass circulation without the prior written consent of the publisher.

PUBLISHING / EDITORIAL / ADVERTISEMENT & CIRCULATION OFFICE

The Indian Concrete Journal
ACC Limited
L.B. Shastri Road,
Near Teen Haath Naka
Next to Eternity Mall
Thane (West) 400 604,
Maharashtra, INDIA.
Tel: 00-91-22-33027646
Website: www.icjonline.com
E-mail: info@icjonline.com
icj@acclimited.com

Editor: Ashish Patil
Editorial Team:
Ulhas Fernandes
S.M. Abbas

ICJ

THE INDIAN CONCRETE JOURNAL

April 2015, Volume 89, Number 4



TECHNICAL PAPERS

SPECIAL ISSUE - FIBRES IN CONCRETE

- 14** | A review on the application of fibre reinforced polymer in reinforced concrete structures
Inderpreet Kaur, Hardeep Singh Rai and Harvinder Singh
- 21** | Compressive behaviour of steel fibre reinforced concrete at high temperatures
P. Jyotsna Devi and K. Srinivasa Rao
- 32** | Study of the bond behavior of carbon fibre reinforced polymer bars
S.B. Singh and Aditi Chauhan
- 41** | High performance fibre reinforced concrete squat shear walls with barbells
N. Ganesan, P.V. Indira and Seena. P.
- 52** | Performance of synthetic fibre reinforced concrete in the construction of concrete pavements
Pankaj Goel, Rakesh Kumar and Bishwajit Bhattacharjee
- 62** | Flexural behaviour of reinforced self compacting concrete slabs using hybrid fibres
R. Vasusmitha and P. Srinivasa Rao
- 73** | Physical and chemical durability studies on high performance self compacting hybrid fibre reinforced concrete
B. Narendra Kumar, P. Srinivasa Rao and Y. SuryaManisha
- 83** | Inelastic behaviour of RC beams with steel fibre and polymer grid confinement
R. Siva Chidambaram and Pankaj Agarwal
- 91** | The effects of sodium hypochlorite upon polypropylene fibres utilised within marine concrete
Peter Hughes, Satoshi Fujita and Shin-Ichiro Suye

FEATURES

04 | EDITORIAL

06 | NEWS & EVENTS

Cover image source:
www.pro-herb.com
www.brighthubengineering.com