

ICJ

THE INDIAN CONCRETE JOURNAL

Volume 93 • Number 08 • August 2019 • Pages 80

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.



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Fire poses significant hazard to the built-infrastructure, which civil engineers are required to deal with through due analysis and design. Civil engineering materials and structures, when exposed to elevated temperatures, are studied to understand their thermo-mechanical behaviour and accordingly contribute towards achieving desirable safety and serviceability.

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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.

Website: www.icjonline.com e-mail: info@icjonline.com editor@icjonline.com