

## Abstract Details

**Title:** Analysis of Ferrocement Jacketing on Retrofitted Beams

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**Abstract:** Almost all the structures whether or not industrial, business or housing area unit fabricated from RCC. These structures fare nicely to a lower place ancient circumstances, but among the event of maximum earthquakes, giant load imposition etc. The permanent injury may take place in structure. It poses a more durable scenario for a structural engineer than constructing a replacement building. This could be as a result of form of restraints already created building offers like non designed construction, wear & tear etc. instead of turning apart the structure one can strengthen the deficient structural elements of the structure. As a result of the advancement in technology with the help of non-destructive testing one can merely verify such deficient elements. Once known the only reply is to retrofit such elements. Retrofitting is completely different from repair or rehabilitation. It's primarily a way of strengthening Associate in Nursing sweetening of the performance of deficient structural elements in an extremely structure or as complete structure. In deficient buildings retrofitting could also be done by increasing the strength, stiffness and/or malleability of its specific constituent elements or of the whole building. For any building, relying upon the need, a mixture of the on prime of could also be elite. Retrofitting of individual members or elements is remarked as native retrofitting. Someone is not once it involves spoilt for alternatives retrofitting, he possesses to detain mind form of selections before embarking on the work of retrofitting. The alternatives on the market embrace fiber bolstered Plastic or GFRP, Carbon Fiber bolstered Plastic or CFRP or Ferrocement.

**Keywords:** Retrofitted Beams, Ferrocement, Energy Absorption.