عنوان مقاله:

Review of Worldwide Codes and Guidelines for Debonding Failure Modes of Flexural FRP Post-Strengthening

محل انتشار:

اولین همایش بین المللی مقاوم سازی لرزه ای (سال: 1385)

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خلاصه مقاله:

In this paper, different types of debonding failure modes are described. Then experimental results of four-point bending tests on FRP trengthened RC beams are presented and debonding failure mechanisms of strengthened beams are investigated using analytical solutions. Existing international codes and guidelines from organizations such as fib, ACI, ISIS, TR55, JSCE, etc. are presented and compared with the results from the experiments and calculations. A discrepancy of up to 250% was seen between different codes and guidelines for predicting the .debonding load

کلمات کلیدی:

CFRP, Debonding, Flexural strengthening, Analytical modelling, Experiments