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Subjected to Different Plate Strengthening

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**Experimental Study on Flexural Performance of Reinforced Concrete Beams  
Subjected to Different Plate Strengthening**

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**Abstract:**

Plate bonding technology is one of the most commonly used methods for strengthening existing structural beams. In this study, the strengthening effect caused by different plate materials, preloading conditions, end anchorage conditions was investigated at the same specimen scale. A total of nineteen reinforced concrete (RC) beams including two unplated (control) beams, five carbon fiber-reinforced polymer (CFRP) plated (CP-) beams, six carbon fiber plated (CC-) beams and six steel plated (SP-) beams were tested under four point bending. Tested parameters also include

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