

CFRP LAMINATES FOR MEMBERS STRENGTHENING

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ABSTRACT

This project presents the research on carbon fiber reinforced polymer (CFRP) laminates. The study is mainly focused on the application of CFRP laminates in reinforced concrete slab and beam strengthening. The advantages and disadvantages of using CFRP laminates as the strengthening material are included as well. The installation process of CFRP laminates onto the member is illustrated. Furthermore, the precautions steps have to be taken during the installation process are included in this study. Last but not least, a case study is done to show how the CFRP laminates strengthened the structural member in order to resist more load.