

CONCRETE CONTAINING RECYCLED FIBERS FROM PULP AND PAPER MILLS

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ABSTRACT

Fibrous residuals generated from pulp and paper mills and de-inking mills were included in concrete. Carefully proportioned concrete mixtures containing some of the residuals showed higher compressive and splitting tensile strengths than concrete without the residuals. Overall, a high correlation was observed between density and strength of concrete containing the residuals. By achieving equivalent density, concrete containing the residuals may be produced that is equivalent to concrete without residuals in strength.