

Analysing the Strength Parameters of Concrete Manufactured Using Natural and Recycled Guanapo Aggregates

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ABSTRACT

The purpose of this paper is to investigate the strength parameters of concrete manufactured using natural and recycled Guanapo coarse and fine aggregates and to determine by analysis any correlations between their compressive strength and splitting tensile strength testing as conducted according to ASTM C39 and ASTM C496 respectively. The results of this investigation were intended to highlight the viability of using recycled Guanapo aggregates as a suitable substitute for natural aggregates in order to alleviate the acute shortage and demand for concrete aggregates in Trinidad and Tobago.

Keywords: Concrete, Cement, Recycled Aggregates, Strength Parameters