

## **Split tensile strength of soilcrete blocks**

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### **Abstract**

*With the ever increasing problems associated with dredging of rivers to obtain river sand, reduced dependence on river sand should be encouraged by using alternative materials in block production. This work deals with the production of soilcrete blocks using readily available and affordable laterite. Split tensile strength of the blocks was determined. A model for predicting the split tensile strength was formulated using Scheffe's simplex lattice design. The mathematical model passed the adequacy tests.*

**Keywords:** Soilcrete blocks, Split tensile strength, model, Scheffe's simplex lattice

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