

Water Budget Allocation for Curing of Residential Bungalow and Self-curing Concrete as a Smart Material for Construction

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Abstract

Million litres of water are consumed by construction industry for curing. To save water, it is need of time to invent concrete without curing. This research aims to catch the eye over wastage of water through case study. It explores modest method for quantification of water. Self-curing concrete is proposed as a remedy over elimination of water wastage through curing. Self-curing material mitigates autogenous shrinkage and reduces water evaporation from body the concrete. Water holding capacity of concrete increases with a significant proliferation in mechanical properties of concrete.