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Feasibility of Cowdung Bricks as Insulator in Cavity Wall

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Abstract: *To aim of this project is to find the better alternatives for the insulation of noise and to improve the properties of cow dung bricks it was observed that the cow dung bricks fulfill the compressive strength and sound insulation Cow dung is the undigested residue of plant count which has exceeded via the intestine of goat. It is wealthy in minerals like Potassium, Magnesium, Sodium and Manganese and is constructed from natural matters. Cow dung has been utilized in India for hundreds of years with inside the fields of agriculture or farming. The approach of manufacturing conventional bricks from kiln is high priced and reasons pollution. Cow dung may be used to fabricate bricks which might be eco- friendly. Cow dung ash is acquired via way of means of drying Cow dung below sun. We used 90%, 80% and 70% of Cow dung and 10%, 20% and 30% of lime and acquired most strength. In this undertaking we're seeking to look at the homes of brick via way of means of introducing Cow dung ash. In growing countries, maximum of the populace cannot have enough money traditional constructing blocks made with the sand cement mixture. Inaddition, those blocks do now no longer offer thermal consolation and feature a excessive embodied electricity as compared to vernacular substances. The fundamental goal of this painting turned into to produce, resistant and sturdy blocks with a thermal behavior permitting first-class consolation indoor. Moreover, the great presence of fibers in cow- dung prevents the propagation of cracks with inside the bricks and therefore reinforces the material.*

Keywords: Cowdung

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