

THE EFFECT OF RICE HUSK ON THE PHASE FORMATION AND CEMENT CLINKER PROPERTIES

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Abstract. The features of the cement clinker containing rice husk are investigated. The dependence of the raw mixture composition on the set product burning characteristics has been analysed using the software "CLINKER". The mixture compositions have been identified on the basis of the chalk–clay–rice husk system, with the introduction of man-made stock of 6.0–18.0 mass%. The features of the phase composition and the binder properties, by varying the rice husk content, mixture ratio and burning temperature were studied.

Keywords: cement, clinker, rice husk, crystalline phase, property.

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