

ENGINEERING PROPERTIES ASSESSMENT OF KOHAT LIMESTONE FOR POSSIBLE USE AS CONSTRUCTION MATERIAL

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Abstract

Carbonates are largely used for construction material worldwide. Carbonates has to be tested for their physical and chemical sustainably before used as construction material. The possible construction material for China Pakistan Economic Corridor Kohat formation is tested for their engineering properties in Kohat. Petrographically Kohat formation is Carbonate with shaly intercalations. Carbonate facies are Wackestone to Dolostone. The physical analysis for limestone revealed that, rocks are medium strong to very strong, resistant against sulphate soundness (loss <0.61%) and having maximum water absorption of 0.5%. Based upon its physical and petrographic characteristics, limestone for Kohat formation is recommended as a construction material subjected to its vulnerability against alkali silica reactivity.