



Geotechnical properties of Galala Limestone Tiles, Eocene rocks, Ain El Sukhna, Red Sea Coast, Egypt

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Abstract:Galalalimestone has been increasingly popular for building and ornamental applications and very famous in the world by many commercial names, Galala White, Galala Golden, GalalaCreama and Galala Classic. In this study the effect of petrographical aspects on the physical and mechanical properties of different types of the Galala limestone will be elaborated.

The physical and the mechanical behavior of the studied rocks have been outlined by measuring some physico-mechanical properties, such as apparent density, open porosity, water absorption,abrasion resistance, compressive strength, and slip resistance. The rocks also have been investigated by XRD and XRF.

Keywords: Mechanical properties; Galalalimestone; Dolomite, Middle Eocene, Porosity, Abrasion resistance.

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