

عنوان مقاله:

Dynamic Shear Strength of GCLs

محل انتشار:

دومین همایش ملی مهندسی عمران و توسعه پایدار (سال: 1396)

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خلاصه مقاله:

Today in many countries, geosynthetic clay liners (GCLs) are used at landfills to prevent soil and groundwater resources contamination due to pollutant leakage. The shear strength of the GCLs is of particular interest because bentonite, as an essential component of the GCL, is a weak member especially after hydration and can create an instable section in GCLs. Despite numerous studies on static shear strength of GCLs, few investigations have been carried out on dynamic shear strength. A review of previous experiments conducted by other researchers, have helped present essential concepts of dynamic shear strength in this paper. Such studies are followed by discussions on different measurement results of the dynamic shear strength of GCLs interfaces which have investigated these concepts in detail. Finally, previous results obtained from past studies are reviewed and the best results are ..presented

کلمات کلیدی:

Geosynthetic clay liner, Bentonite, Dynamic Shear strength, Shear test

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