

عنوان مقاله:

CONSTRUCTION OF BREAKWATER BY GEOTEXTILE SANDBAGS: TECHNICAL SPECIFICATIONS

محل انتشار:

سیزدهمین همایش بین المللی سواحل، بندر و سازه های دریایی (سال: 1397)

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خلاصه مقاله:

Although rock is the most popular material for construction of the coastal structures, such as breakwaters and various types of shore protections, there are difficulties in providing appropriate rock materials in some areas based on the economic and environmental conditions. In these cases, substitute materials such as concrete blocks and sandbags could be the alternatives of rock materials. In the plentitude of sand, for example when a project includes dredging, the sandbag is one of the best options from economic and environmental viewpoints. Due to development of various types of the geotextiles, these materials have become one of the best selections to be used in making sandbags. In such cases, determination of the type of geotextile, technical specification of it and dimensions of the sandbags are very important. Specification of the final product mostly depends on the bag size and texture quality. In this study some experimental tests have been designed and conducted to examine effective parameters. On this basis some recommendations have been proposed for the geotextile properties and size of sandbags for using in breakwater and shore protection structures.

کلمات کلیدی:

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