

عنوان مقاله:

(Effect of Fibers on Flexural of Specific Concrete (Case study : Soil-Cement

محل انتشار:

هشتمین کنفرانس بین المللی پژوهش در علوم و مهندسی و پنجمین کنگره بین المللی عمران، معماری و شهرسازی آسیا (سال: 1402)

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خلاصه مقاله:

Soil-cement materials are an alternative to cement treated base (CTB) materials and the main difference between these two options, as described is that in CTB which generally is composed of fine aggregates, smaller amount of cement (۳-۵%) is used that this cement is used to reduce some undesirable characteristics of fine aggregate such as their large plasticity index and low bearing capacity. In addition, these materials do not need compaction in order to achieve the desired strength and also their compressive strength is often limited to ۲MPa. Almost any type of soil can be used in soil-cement materials but organic soils, plastic clays and reactive sands are exceptions. Generally soils with ۵-۳۵% fine aggregates passing sieve No. ۲۰۰ are the most economical efficient and soils with more than ۲% organic material are seriously unacceptable. In this research

کلمات کلیدی:

Soil-cement, Fibre, Flexural, cement treated base

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