

عنوان مقاله:

Characteristics Development of Ground Granulated Blast Furnace Slag (GGBFS) Concrete

محل انتشار:

دومین کنفرانس بین المللی معماری، عمران، شهرسازی، محیط زیست و افق های هنر اسلامی در بیانیه گام دوم انقلاب (سال: 1401)

تعداد صفحات اصل مقاله: 11

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خلاصه مقاله:

Concrete is made up of three types of aggregates: fine aggregates, coarse aggregates, and cement. In addition to buildings and industrial structures, concrete is used to construct highways, bridges, motorways, and other infrastructures. Concrete, on the other hand, is priced according to its ingredients, which are scarce and expensive, and as a result, its production requires more cost-effective materials. Scientists recognize the need for more cost-effective concrete components. An investigation is being conducted in this paper into Ground Granulated Blast Furnace Slag, named GGBFS shortly. As well as highlighting its advantages and disadvantages, this paper discusses how GGBFS can be used. A green, eco-friendly alternative to conventional building materials has been developed that can be used to recycle materials that have been depleted.

کلمات کلیدی:

GGBFS concrete, compressive strength, flexural strength, modulus of elasticity

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<https://civilica.com/doc/1613635>

