

عنوان مقاله:

Studying Mechanical Properties of Lightweight Concrete by the Effects of Masonry Mel Powder as Additive Percentage to Cement

محل انتشار:

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خلاصه مقاله:

In recent years, with the increase of pollution problems of cement factories and its impact on the environment, there is always a great need to achieve high-strength structural lightweight concretes using local and inexpensive materials. To be sustainable development is also done. At present, an attempt has been made to use masonry powder to improve the mechanical properties of lightweight structural concrete. For this purpose, 1A. cylindrical concrete specimens in dimensions of ۱۵ x ۳° with ۲۵ types of mixing designs, including powdered concrete concretes with different selected times were considered. The results of this study, which was performed by performing the above tests on samples made in Y-day, YA-day and 9-day time, showed that the use of masonry powder at the rate of 1A% of cement weight, while reducing the weight of concrete, increased strength has been. Concrete compression was ۵.% if microsilica was used and its compressive strength was increased by ⊮∘% if microsilica was not used

کلمات کلیدی:

Concrete, Mel powder, Light weight, structure, Masonry

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