

عنوان مقاله:

The Influence of Natural Pozzolan Content on Durability of High Performance Concrete

محل انتشار:

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خلاصه مقاله:

This paper presents an experimental study of the influence of natural pozzolana on the mechanical properties and durability of high performance concretes. The analysis of the experimental results on concrete at 7.5% content of pozzolana with a fineness modulus of 9600 cm²/g, in a chloride environment, showed that it contributes positively to the perfection of its mechanical characteristics, its durability with respect to water absorption and migration of chloride ions. On the basis of the experiments performed, it can be concluded that the natural pozzolana is suitable for formulation of high performance concretes and their properties are significantly better compared to the reference concrete

کلمات کلیدی:

natural pozzolana; water absorption; concrete durability; chloride resistance

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