عنوان مقاله:

Studying the effects of additives in reducingpermeability and increasing compressive strength

محل انتشار:

اولین کنفرانس بین المللی تحقیقات پیشرفته در مهندسی عمران، معماری و شهرسازی (سال: 1402)

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خلاصه مقاله:

Some of the factors affecting the permeability of concrete Filler aggregates and the lack of use of finegrains or fillers is that we will inevitably increase the consumption of cement. Addition of cement withwater absorption from the concrete mix increases the amount of water used to increase the permeability,on the other hand, the cement increases the amount of alkali and increases the chance of becomingcancerous. The main ingredients of the complement additive of A.C.P concrete include micro siliconand super-lubricant. We add these materials to enhance the properties during construction to concrete.This material, which adds about ۶ to ۹ percent of the weight of cement to the concrete, in addition to areduction of about ۱۵ to ۲۰ percent of the water to cement ratio, increases the efficiency or slurry of theconcrete thus contributing to better concrete condensation and preventing air congestion in concrete.When you .open the molds, you will never see corrosion or porous sections on the concrete

کلمات کلیدی:

additives, permeability, compressive strength