

عنوان مقاله:

Shear bond strength of resinous systems used in dry and underwater concrete repair

محل انتشار:

ششمین کنگره بین المللی مهندسی شیمی (سال: 1388)

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

Knowledge of the behavior of resins used in concrete repair industry is a prerequisite for a comprehensive understanding of concrete/repair interface performance. Traditional repair systems have proved to be not completely adequate in the sense that they do not provide reliable repair systems, and not being suitable for situations in which early high concrete/repair bond strength is needed. This paper presents the results of a comparative study on the bond strength of polyester and epoxy resin systems used for concrete repair. Having produced high strength concrete slabs with saw cut surfaces; they were then repaired with polyester and epoxy resins systems. At specified ages the bond strengths of the resinous systems stored under dry and under water conditions were measured using pull-off method and the results were compared with those of ordinary sand/cement mortar.

کلمات کلیدی:

Concrete, repair, resins, bond strength

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