

عنوان مقاله:

Self Compacting Concrete

محل انتشار:

هفتمین کنگره بین المللی مهندسی عمران (سال: 1385)

تعداد صفحات اصل مقاله: 8

نویسنده:

Farhang Farrokhi - Assistant professor

خلاصه مقاله:

Experience in the development of Ultra High Performance Concrete found a very high flowability in concrete with low water powder ratio. Because of the high viscosity of the cement paste, compaction was necessary. To improve the compaction characteristic of the concrete the idea adding coarse aggregate was developed . the first tests showed a good workability of the fresh concrete and a good self compacting ability. The interest in reducing costing costs while improving workability , shrinkage tendency and the modulus of elasticity was leading to the results in this paper . the experience was done in Institute for Beton-technology-Technical University of Graz (TU-Graz) in Austria, where I work .as a research Assistant and materials for this experience are from Germany and Austria

کلمات کلیدی:

UHPSCC , Ultra High Performance Concrete (UHFC) , Self Compacting Concrete (SCC) , Silica fume

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