



Experimental Investigation of Shrinkage Strains for Elements of Self-Compacted Concrete (SCC)

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Abstract: Concrete is material which has wide usage in engineering especially in construction engineering and road infrastructure facilities. Development trends indicates for high rise constructions, modern skyscrapers that is impossible building of such constructions with conventional concretes and low consistency, therefore there is a need for concrete with high processes because of great amount of steel in cross section of concrete elements, solution for such construction is self-compacted concrete because of ability to fill pores without compaction and vibration. Considering this fact constantly worldwide are conducted researches for mechanical characteristics of concrete, deflections, stress and strains, in this line we made a experimental research for determining of shrinkage strains on beams of self-compacted concrete comparing them with conventional concrete. Results obtained experimentally will be presented for both types of concrete for analyses of shrinkage strains for duration testing time's $t=400$ days.

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