

## **Deflections Results for Beams of Self Compacted Concrete (SCC) and Normal Concrete for Period $t = 400$ Days**

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

**Keywords:** *Self-Compacting Concrete, Normal Concrete, deflections, deformations, modulus of elasticity,*

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