



## Microstructure Properties of SCC exposed to elevated temperature

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By Ammar Khazaal

LAP Lambert Academic Publishing Okt 2014, 2014. Taschenbuch. Book Condition: Neu. 220x150x9 mm. This item is printed on demand - Print on Demand Neuware - A general introduction and aim of study are presented in Chapter One. The review of literature regarding SCC production, mix design, affecting factors, using of admixtures, applications of SCC, high temperature behavior, hybrid fiber reinforcing, testing methods and workability are presented in Chapter Two. The detailed schedule of experimental work which includes the materials used, trial mixes casting, curing of concrete, tests performed and heating of specimens up to target temperatures is presented in Chapter Three. Chapter Four demonstrates the results of the experimental work and the graphical representation of the results and its interpretations Chapter Five consist of microstructural analysis of fiber reinforced and unreinforced self-compacted concrete, it discusses a brief outline of microscopic investigation performed on the samples by using SEM (Scanning Electronic Microscope). Chapter six covers a new study on self-compacting cement mortar and related tests. Chapter seven gives the summary and conclusions, it also provides possible recommendations for further study and improvement. 156 pp. Englisch.



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