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# CONTROL OF NONSTATIONARY PROCESSES AT FORMATION OF COMPLEX HARDENING SYSTEMS

**Abstract**

*One of chief factors defining the quality of hardening systems is taking into account the physico-mechanical effects holding in their flow process. In this paper the nonstationary processes in grouting mortar, dynamics of formation of cement stone and estimate of its strength characteristics are investigated. The results of experimental nonstationary investigations of flow of cement solution with different inclusions in tube are represented. The obtained results argue the dependence of strength properties of formative cement stone on presence of phase inclusions. A new method of strengthening of cement stone and regulation of its mechanical characteristics under special thermobaric conditions is suggested.*