

Influence of Polymers on Physical Properties of Self-Levelling Flooring Compounds

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Besides a complex binder system and aggregates, self-levelling flooring compounds generally contain about ten different admixtures. Each admixture influences one or more properties, either in fresh state, hardened state or both. The purpose of the current paper is to discuss the influence of polymer admixtures on moisture properties, mechanical properties and heat production rate.

For this study a basic recipe of self-levelling flooring compound was formulated. This recipe is a simpler version of a commercial product and does not have self-levelling properties. Results will be presented describing influence of three different types of latex polymers and one cellulose ether thickener added at different dosages to the recipe.