

Evaluation of Static Modulus of Elasticity Depending on Concrete Compressive Strength

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Abstract : The paper is focused on monitoring of dependencies of different composition concretes on elastic modulus values. To obtain a summary of elastic modulus development independence of concrete composition design variability was the objective of the experiment. Essential part of this work was initiated as a reaction to building practice when questions of elastic moduli arose at the same time and which mostly did not obtain the required and expected values from concrete constructions. With growing interest in this theme the elastic modulus questions have been developing further.

Keywords : concrete, compressive strength, modulus of elasticity, EuroCode 2

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