

## Variations of Testing Concrete Mechanical Properties by European Standard and American Code

**Authors :** Ahmed M. Seyam, Rita Nemes, Salem Georges Nehme

**Abstract :** Europe and the United States have a worldwide significance in the field of concrete control and construction; according to that, a lot of countries adopted their standards and regulations in the concrete field, as proof of the Europe and US strong standards and due to lack of own regulations. The main controlled property of concrete are the compressive strength, flexure tensile strength, and modulus of elasticity as it relates both to its bearing capacity and to the durability of the elements built with it, so in this paper, ASTM standard and EN standards method of testing those properties were put under the microscope to compare the variations between them.

**Keywords :** concrete, ASTM, EU standards, compressive strength, flexural strength, modulus of elasticity

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