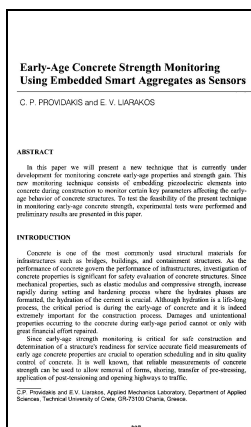


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Код: 10587

## Early-Age Concrete Strength Monitoring Using Embedded Smart Aggregates as Sensors

Издательство DEStech Publications, Lancaster, 2010 год

6 стр; формат: 23,5 x 16 см; библиографический список: 14 единиц  
ISBN: 978-1-60595-024-2

In this paper we will present a new technique that is currently under development for monitoring concrete early-age properties and strength gain. This new monitoring technique consists of embedding piezoelectric elements into concrete during construction to monitor certain key parameters affecting the early-age behavior of concrete structures. To test the feasibility of the present technique in monitoring early-age concrete strength, experimental tests were performed and preliminary results are presented in this paper.

**Ключевые слова:**

**Содержание.**

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