**Title of the paper**

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**Abstract**

In this paper, the influence of…

**Keywords**

Portland cement, hydration, microstructure

**1. Introduction**

Portland clinker consists of four main phases [alite, belite, tricalcium aluminate, and brownmillerite] and some minor phases (1). It is the main compound of Portland cement.

**2. Experimental**

**2.1. Materials**

**2.2. Methods**

**3. Results**

Table 1. Chemical composition of cement

|  |  |
| --- | --- |
| Compound | Content, % |
| SiO2 | 26.0 |
| CaO | 66.2 |
| Al2O3 | 8.3 |



Fig. 1. Microstructure of hydrated cement paste



Fig. 2. Compressive strength of investigated cements

$F=m∙a$ [1]

where:

$F$ – force

$m$ – mass

$a$ – acceleration

**References**

1. H.F.W. Taylor, Cement Chemistry, 2nd ed., Thomas Telford, 1997.
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