ICOCEE
3. International Conference on
Civil and Environmental Engineering
Çesme - Turkey

3. ICOCEE – CESME, April 24-27, 2018
Editors: S. Sahinkaya, E. Kalipci, M.C. Bagdatli

An Overview on the Properties of Sulphurous Concrete

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ABSTRACT

Sulphurous concrete is a special type of concrete consisting modified sulphurous cement and aggregate, produced without water. In this type of concrete, the bonding property is obtained by the combination of cement and sulfur. Initial developments in sulphurous concrete technology have been found in studies conducted in the 1970s. Mostly, the scientists studied on the advantages of sulphurous concrete. As a result of the studies, it was observed that the sulphurous concrete with high strength, high chemical resistance and low permeability can be produced in a short time period. In this study, the results of the literature about the properties of sulphurous concrete were evaluated to lead new studies in Turkey.

Keywords: Sulfur, waterless concrete, lunar concrete, modified cement, chemical resistance.