

Reviews on the Properties of Aggregates Made with or without Geopolymerisation Method

Abstract

Aggregates are popular for use in concrete and lightweight concrete applications. Recent research shows that the by-product materials such as fly ash can be used as raw material in producing aggregates and lightweight aggregates. The usage of this material can improve the quality of the aggregates produced compared to conventional in term of structurally strong, physically stable, durable, and environmentally inert. This paper summarized the process and mechanical testing on the fly ash aggregates and lightweight aggregates to be used in concrete.

Keywords: Aggregates, Alkali Activation, Geopolymer, Lightweight Aggregates