



On Green Concrete

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Abstract

This paper is a short review of green concrete as claimed per latest related literature. Green concrete refers to concrete mixtures production with lesser greenhouse gases emissions than standard concrete mixture, or to a concrete mixture with one or more green components – such as silica fume or fly ash, or to pollutants absorbing concrete in constructed projects and/or to any other sustainable concrete technique. A leading Italian concrete manufacturer group claims the provision of a new air scrubbing green concrete combining all the above techniques. Air scrubbing is based on a photo-catalytic principle whereby natural or artificial light activates an oxidation process converting noxious pollutants into harmless compounds. Green concrete promotes sustainability in a creative way; thus, improving global human health. Keywords: Green concrete, photo-catalysis, sustainability

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