

Abstract

Millions of tons of waste are generated worldwide each year and many of these cannot be recycled. In addition, the recycling of waste consumes energy and produces pollution.

In addition, the accumulation of waste in suburban areas and the dumping of waste are extremely harmful to the environment. Waste disposal in concrete production is an effective way to achieve two goals: waste disposal and adding good structures to concrete. As the green concrete industry grows, it is necessary to test concrete containing waste in all aspects to determine its strength.

This literature study consists of two parts namely the use of waste instead of cement and instead of composite. The leading waste used as other materials is highlighted and the resulting concrete properties are tested. Among other findings, rubber has been found to improve fire resistance

and ductility in concrete and agriculture and PET waste has been used successfully in non-structural concretion