

Durability Studies on Concrete by using Plastic Waste

Srinivas Prabhu .R^{1*}, Anuradha.R²

¹Department of Civil Engineering Sri Eshwar College of Engineering coimbatore,
Tamil Nadu, India.

²Department of Civil Engineering SNS College of Engineering & Technology,
Coimbatore, Tamil Nadu, India.

Abstract : Solid waste management is one of the major environmental concerns in our country now days. The present study covers the recycled plastics as a partial replacement of cement in concrete. The main aim of this project is that effective usage of plastic waste. It is found that the use of plastic waste as a partial replacement of cement results in the increase of compressive strength of concrete. The workability of concrete reduces with the introduction of plastics[1]. The most important change brought about by the use of plastics is that the increase of compressive strength of concrete, reduce in permeability, increase in acid resistance, increase in corrosion resistance and also the resistance of thermal conductivity performs better.

Keywords : component; formatting; style; styling; insert (key words).

SRINIVAS PRABHU .R ET AL /INTERNATIONAL JOURNAL OF CHEMTECH RESEARCH, 2017,10(8): 634-644.
