



ChemTech

International Journal of ChemTech Research

CODEN(USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555

Vol.10 No.11, pp 69-73,2017

Experimental Investigation on Concrete Floor Tiles with Plastic Fibers

J. ShriIndhu*, E. Prabakaran, K. Saranya, D. Gokila

KPR Institute of Engineering and Technology, Coimbatore, India

Abstract: In many industries flooring is done by concrete tiles. Damping materials such as rubber is provided between machines and floor to avoid damages due to vibration from machines to floors. Solid waste management is becoming as an emerging area by the impact of plastic wastes. The used PET bottles are also one of the major solid wastes. The concept of reduce, recycle & reuse is used now a day for better solid waste management. The fibers from the PET bottle wastes taken to improve the flexural capacity of the concrete can be proven by many of the researchers. Our project is about to make compare the results of normal concrete tile to the concrete tile with addition of waste plastic fibers. These are easy to manufacture and install. These kinds of tiles reduce cost and waste, easily recycle the wastes and reuse them in innovative way by modern techniques.

Keywords: Cement, Aggregate, Tile, Plastic Fiber.

J. ShriIndhu *et al*/International Journal of ChemTech Research, 2017,10(11): 69-73.
