TITLE OF INVENTION: HOLCIM FLOATCRETE

ABSTRACTS

Holcim Floatcrete concrete is a specialty product developed having density lighter than water around 700 to 800 kg/m^3 against water density of 1000kg/m^3 and thus it makes lighter than water and it floats. It has plastic reinforcement which makes it durable when kept floating in water. It has a specially developed female and male stainless steel connector which creating path ways, vehicle ways and big platforms for installation like solar panels on water bodies. It would have required buoyancy force and structural strength to meet the above needs.

This concrete consists of environment advantages, such as conserving of land resource, reduce CO^2 emission due to use of lower quantity of Ordinary Portland Cement (OPC) and use of environment friendly materials like Ground Granulated Blast Furnace Slag (GGBS).

The product has been developed by combination of light weight aggregates creating annular air traps.

"No Suitable Figure"

FLOATABLE CONCRETE AND A METHOD OF FABRICATION THE SAME

ABSTRACT OF THE DISCLOSURE

A lightweight floatable concrete, comprising: a base layer having a thickness of about 50-80mm thickness formed from concrete; a plurality of lightweight elements positioned on the top of the base layer; and a top surface layer which can either be flat or can be cast with recesses formed thereon, whereby when said floatable concrete is placed in water, the plurality of lightweight elements being of low densities causes the concrete to float. The present invention also relates to a method of fabrication floatable concrete.

(FIG. 2)