TITLE OF INVENTION: HOLCIM FLOATCRETE

SPECIFICATIONS / DESCRIPTION

In today's situation when in cities like Singapore, the land availability is scarce, whereas enough water bodies available. In view of this, it was thought if we can utilized these water bodies for installation like solar panels, floating green bodies, providing pedestrian and light vehicle movements by creating floating connectors which would be very economical comparing to building bridges and also highly durable like conventional bridges.

The above mentioned needed a solution and thus it makes this invention revolutionary, green and beneficial to environment at large.

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.

The product is also having good compressive strength of around 40 MPa.

The product has many specialties as described below:

1. It is lighter than water, density 700 to 800 kg/m^3. This lighter density makes it float on water.

2. It has plastic reinforcement which makes it durable when kept floating in water.

3. 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.

4. It would have required buoyancy force and structural strength to meet the above needs as mentioned in point 3.

5. It 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).

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

CLAIMS

1. This unique product Holcim Floatcrete concrete is characterized by the description and abstract indicated shall be having exclusive intelligent property rights for the inventor and anyone trying to utilize this combination directly or indirectly and copying the same would be breaching the patent rights filed for this product by the inventor and the said party would be liable for legal actions.