

# PALM ECO CRETE

Fibrous Nano-Biomass Concrete (FNBC) 2014 056485

#### DESCRIPTION

Palm Eco-Crete is a product of composite materials that utilise biomass waste which is abundantly available at low cost.

Palm Eco-Crete can be produced at three density levels which are lightweight (low strength), medium weight (normal strength) and normal weight (high strength).

So, making it a product with a wide range of applications along with being low cost and environment friendly.

#### Meeda.

- a) It's durable and Eco green for building materials and construction industry.
- b) Reduce the use of cement in concrete, thus reduce the CO2 in the atmosphere.
- c) High strength (>80 MPa) (2030 kg/m3) d) Medium strength (> 30MPa) (1250 kg/m3)
- e) Low strength (>7MPa) (1090 kg/m3)

### Application

- a) Reduce waste from palm oil industries.
- b) Environment friendly and green products.
- c) Reducing the effects of Urban Heat Island (UHI).









## Benefits

- a) Cost effective.
- b) Reduces CO2 emission into the atmosphere.
- c) Recycling and reuse of byproducts from agro-industrial wastes.

## Targeted Market

- a) Housing developers
- b) Local Authorities
- c) Construction Industry Development Board (CIDB)
- d) Projects in tropical environment.
- e) Marine structures.
- f) Palm oil industries.
- g) Public Works Department (JKR)

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