

# FormWorks UK Ltd.



## Rethinking construction .....

## **Lightweight Cellular Concrete Construction System**



The combination of a modern formwork mould system and lightweight cellular concrete is ideal for fast construction of good quality, affordable houses.

The formwork system allows a very high production speed. With proper organisation on the site, one complete house can be built per day with the use of one mould. Two moulds are good for two houses per day, etc. The mould can be designed for any building plan and for the required wall thickness.



Cellular concrete is an ideal product for walls as it can be produced in a number of densities, each with its own properties. A higher density gives high strength, a lower density has higher insulation and fire rating properties. After mixing, cellular concrete is very liquid and fills the mould completely without vibrating.

The FCC construction system is used in conjunction with composite intermediate floors, FormWorks composite roof panels and FormWorks fibre reinforced wall finishes





Economical and fast construction systems for energy efficient, sustainable buildings .....

## The System:

The structure is built using poured cellular concrete to create a strong, durable and economical shell.

## **Advantages:**

## High performance

#### Economical

Save 60% in material costs with a 350% increase in productivity

## · Robust, durable and strong

#### Fast Build

Concrete placed into rapidly assembled formwork.

### Low energy bills

Insulated construction reduces heating and air conditioning loads to minimise cost.

## Comfortable and airtight

No cold bridging or draughts

## Efficient build process

Due to simplicity of the construction process

## · Local availability of materials

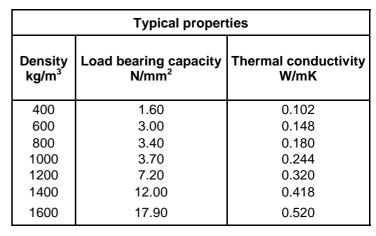
Reduces the need for transport and it's associated costs

#### Fire resistant

Tests and certificates from various authorities indicate that a lightweight cellular concrete wall of 150mm (6") thickness achieves in excess of a four hour fire rating.

#### Acoustic insulation

Foamed cellular concrete provides good acoustic insulation









Phone: 0(44) 1273 478110

For further information contact us:

Email: sales@formworksuk.com Web: www.formworksuk.com

Formworks UK Ltd. 32 North Street Lewes East Sussex BN7 2PH UK

Registered in England & Wales No. 4031218

Registered office: 7-9 The Avenue Eastbourne East Sussex BN21 3YA

VAT No. GB 777 5248 83