



# RBM Building System

A system that bring you a step forward to a  
**GREEN & ENERGY EFFICIENT BUILDING**

## *What make different?*

It is one of an advance technology develop

from RBM Research & Development Department

under the **RBM Building System** to **REVOLUTIONALISED**

**INTO CONSTRUCTION TO IN-PLACE BUILDING MATERIAL**

As **GREEN PRODUCT** to

make better concrete wall.



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Throughout years of **RESEARCH & TEST**.

To improve the building comfortable level which everyone concern about the **QUALITY APPEARANCE ,NEW DESIGN ,WORKABILITY AND INSULATION** is come from the concrete itself.

The technique to design concrete **INGREDIENTS AND MIXTURE** contain has been a high task for researcher to find out the details solution from beginning until the end of the product.

**FORMULATION** of **RBM INSULATED LIGHTWEIGHT CONCRETE** had been succesfully used for different building applications and requirements .



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IN ARCHITECTURAL DESIGN,

the building wall specification will be looking for a

suitable thickness, strength, safety and materials

to prevent hot/cold temperature from outdoor transfer into indoor.

Clay brick, sand brick and other relevant materials such as

block are normally recommended for building wall.

**But now there is a better wall you can choose for your building.**



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To have a **good insulation value** wall, the wall must have a certain **THICKNESS** to determine the building insulation are well enough to **prevent thermal transfer**.

While the walls **THICKNESS** will affect on the **space area, materials cost and weight** of building.

Therefore, the development of **RBM INSULATED LIGHTWEIGHT CONCRETE** to find out the best solution for the building energy efficiency & costing .

Until to date , already more than **13 countries** were adopted & using with the **RBM INSULATED LIGHTWEIGHT CONCRETE TECHNOLOGY**.



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There are **SPECIAL TECHNIQUE** to control

the **ingredient** of the concrete

**TO**

obtain various

**strength, density, flowability, setting period and workability.**



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## **RECOMMENDED SPECIFICATION FOR WALL**

Product :RBM Insulated Lightweight Concrete

Density: 1200kg/m<sup>3</sup>

Fire Rating : 4Hours for 125mm thickness

Thermal Insulation : k-Value 0.62W/m.K, R-Value 0.32 m<sup>2</sup>.K/W

Acoustic Insulation : 40~44dB