

TAKING FLOORING TO A
**HIGHER
LEVEL**



OMNIA

LIGHTWEIGHT
CONCRETE FLOORING SYSTEM

BASIC INSTALLATION

A flooring system above all others - Omnia from ABEL/Bestcrete. Easy to install and lighter than regular concrete flooring, the Omnia Flooring System is ideal for all sorts of building projects, including multi-storey structures.

The Omnia Flooring System has established an excellent track record throughout the world going back to 1945. It's been used successfully in everything from homes and schools to offices and hospital buildings.

WHAT IS IT

The Omnia Flooring System is a composite floor consisting of:

- Precast 2' X 6' reinforced concrete Omnia Planks
- Hollow core concrete or clay infiller blocks
- Mesh reinforcement
- Concrete topping

HOW IT WORKS

The precast reinforced concrete Omnia planks are positioned at certain fixed spacings and the infiller blocks are placed between them. The mesh reinforcement and concrete are then added to complete the system which provides a structurally sound floor.

ADVANTAGES

Installation is quicker as all components are made in advance and so takes but a fraction of the time normally required for other flooring systems

Cost savings are realized because less materials and less labour are required on site and savings can be achieved in terms of framing and foundation costs.



Omnia Beam Type 1*
Two Reinforcement Bars
Nominal size: 2" x 6"
(51mm x 152mm)
Variable Length

Omnia Beam Type 2*
Three Reinforcement Bars
Nominal size: 2" x 6"
(51mm x 152mm)
Variable Length

STEP 1 - ERECTION OF PLANKS AND BLOCKS

- a. Place Omnia planks at fixed centres (22" for clay and 24" for concrete blocks) with a minimum 3" rest on both ends.



- b. Install temporary supports every 4' to support planks.



- c. Place infiller blocks between planks. (Remember not to walk on blocks!)



- d. Place fixings, services ducting etc. and mesh reinforcement within the span and over supports.



STEP 2 - PLACING OF CONCRETE

- a. Wet surfaces of blocks and planks thoroughly
- b. Pour concrete. (Use footboards for workmen's safety)



STEP 3 - REMOVAL OF PROPS

- a. Props should remain until concrete has sufficiently matured.



The finished floor (underside)



Note: Please consult ABEL/Bestcrete for more detailed information regarding the handling, stacking and lifting of the Omnia components, as well as the recommendations for cambering of long-spanned planks, and the use of additional special reinforcement for unusual loadings within spans.

KEEP IT SAFE WITH THESE PRECAUTIONS

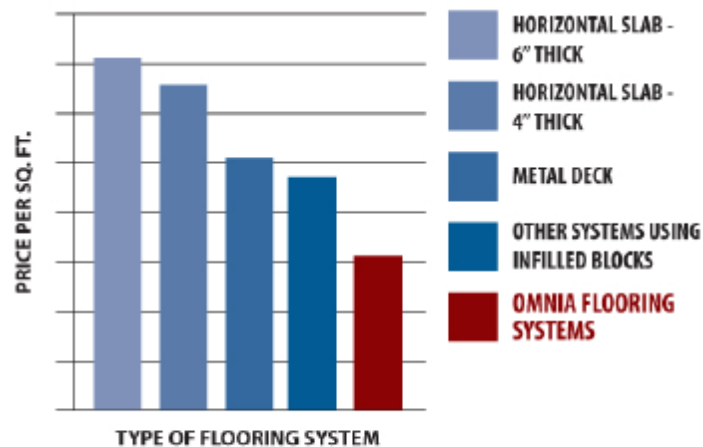
- Don't walk on blocks. Use footboards for workmen.
- Install temporary supports before placing blocks on planks.
- Don't use cracked or damaged blocks on planks.
- Prevent "bulking up" of wet concrete when pouring topping.
- Use recommended method for removing props.

In cases where cambers or additional reinforcements are required, it is recommended to consult ABEL/Bestcrete or a structural engineer.

To determine the Uniformly Distributed Imposed Load (UDIL), thickness of concrete required and which infiller blocks and plank types to use, see the tables inside this brochure or talk to ABEL/Bestcrete to find out more.

PRICE COMPARISON

OMNIA FLOORING SYSTEM & COMPETING FLOORING SYSTEMS



Note: This price comparison chart has been derived from costs related to one typical span for domestic buildings.

Bestcrete

THE NAME THIS NATION BUILDS ON



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