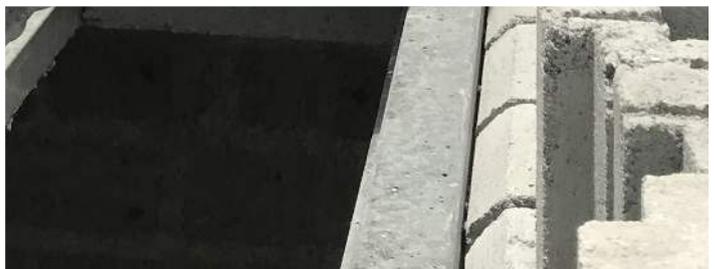


# SUSPENDED BEAM & BLOCK FLOOR



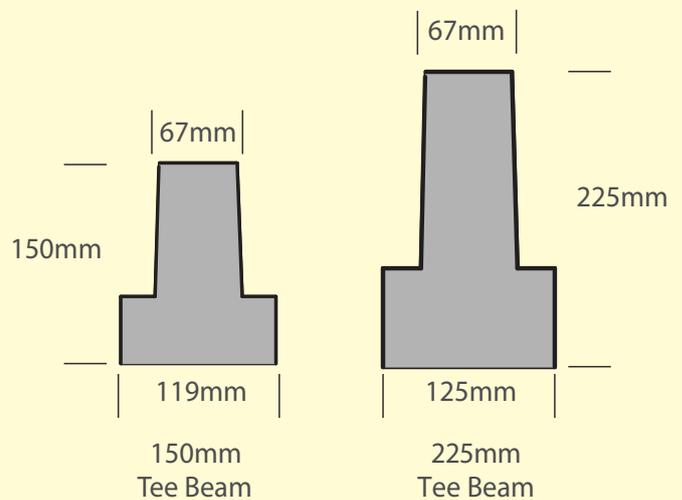
The EcoConcrete Beam and Block Flooring System saves time and cost on site. The floor is quick to install without the need for specialist skills. Site preparation is reduced and no hardcore or oversite concreting is required. Also, internal foundations can be reduced.

The floor provides an immediate working platform allowing building works to continue without delay. The EcoConcrete Beam and Block Flooring System is ideal for a wide range of uses ranging from housing to apartments, offices and commercial buildings.

Two beam sizes are available; 150mm deep for standard span and load applications and 225mm deep for heavy duty and longer span requirements, for example in commercial construction.



[www.ecoconcrete.co.ke](http://www.ecoconcrete.co.ke)

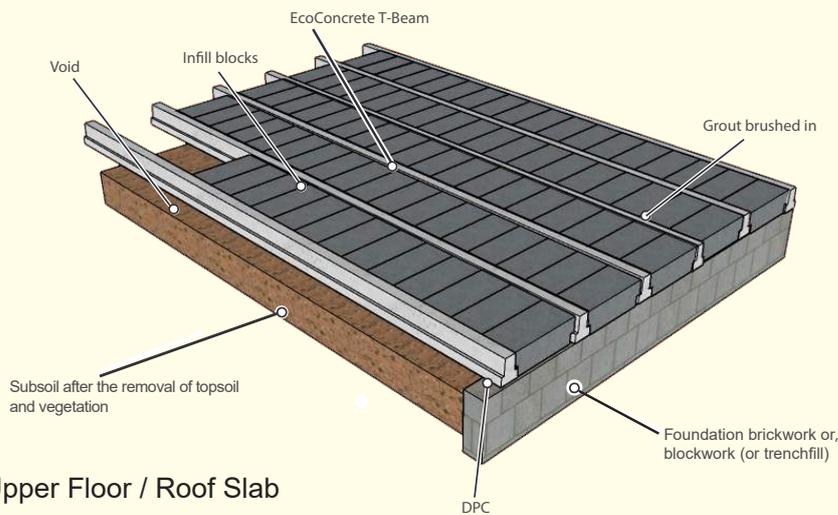




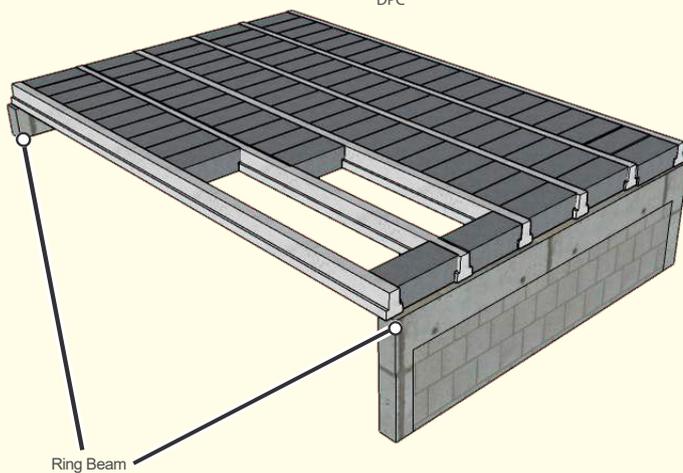
## SUSPENDED BEAM & BLOCK FLOOR SLAB

Beam & Block is an existing technology that, whilst new to Kenya, has been in development and become an increasingly popular option for builders since the 1970s. This structural option now has a market share in UK of approximately 40%. The structure's basic design has remains unchanged T-shaped precast concrete beams are laid in rows suspended on the inner leaf of the main walls. The gaps between the beams are then infilled with blocks. Utilities and trunking are laid on top and then a 50mm screed is applied to finish the floor.

### Typical Ground Floor Slab



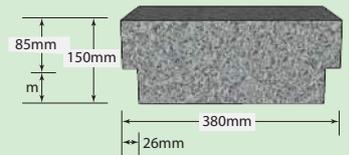
### Typical Upper Floor / Roof Slab



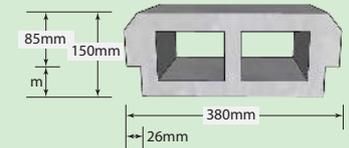
### INFILL BLOCKS

Our standard solid blocks are 380mm x 200mm x 150mm. They are made with a high pressure hydraulic press. In terms of strength, 150mm aggregate blocks provide a 3.5 KN transverse strength that have been tested in accordance with both Kenyan and British Standards.

### SOLID INFILL BLOCKS



### HOLLOW INFILL BLOCKS



### ABOUT ECOCONCRETE

Formed in 2018, EcoConcrete Ltd is a manufacturer of Beam and Block Flooring with our Factory in Athi River and our Head Office in Parklands, Nairobi.

EcoConcrete Ltd is an affiliated company to Somers Engineering Ltd. Somers Engineering Limited was established in 1987, a Multi discipline Engineering Services Company. Somers Engineering Limited provides specialised engineering solutions for structures. This affiliation assures customers of the integrity of our system. Every floor we produce is checked by an engineer against the design of the building for loadings span and functionality.

We have supplied a variety of different projects since its inception from shopping malls, cold rooms, houses, multi storeys, warehouses, sports and community halls, churches, as well as it has been used in civil works projects such as water tanks, septic tanks, culverts, carparks, and flat roofs amongst others. Highlighting the versatility and flexibility in design and use of the product.



**EcoConcrete**  
Building Environmentally

+254 722 882088 | build@ecoconcrete.co.ke | www.ecoconcrete.co.ke  
Head Office, 5th Floor, Doctors Park, 3rd Parklands Avenue, Nairobi Kenya  
Production Yard, Tusky's road Behind Shell Petrol Station, Athi River, Kenya

