

System Components

Items supplied by CELLECTA

TETRIS ultra high compressive strength insulation blocks to provide outstanding thermal performance and form work for the structural topping.

- 1a **T600 & T300** "T" profiled blocks used to span 600/300mm beam spacings. 75mm sits on and the balance fits between the concrete beams.
- 1b **Gap Strip** (75mm thick) used to bridge spans that do not suit 600mm or 300mm beam spacings.
- 1c **Vertical Edge Strip** placed around the floors external perimeter to eliminate cold bridging.

- 2 **Pre-stressed concrete beams**
Supplied in different heights and lengths to suit each specific floor design.

- 3 **Concrete closer blocks & slips bricks**
Closer blocks cast in a "T" shape to suit 600mm and 300mm beam spacing, used to close beam ends. Slip bricks used to build up the wall.

Addition items required (supplied by other)

- 4 **Concrete/aircrete blocks** used to bridge areas that do not suit 600/300mm beam spacings and build wall.
- 5 **Coursing blocks** (140mm high).
- 6 **Structural floor finish** to give the floor its structural integrity, TETRIS blocks can be covered with one of the following concrete toppings:
 - **RC20/25** concrete with steel reinforcement -75mm (min) concrete complying with BS 8500 Part 1, 2: 2002 and BS 206-1 with a maximum aggregate size of 10mm, poured over a minimum A142 steel reinforcement mesh to BS 4483 & EN 10080: 2005. Reinforcement should be supported on spacers to BS 7973-1.
 - **RC25/30** concrete with fibre reinforcement -75mm (min) RC30 concrete complying with BS 8500 Part 1: 2002, with a maximum aggregate size of 10mm, combined with polypropylene monofilament fibres at a rate of 900 g/m³.
 - **RC28/35** concrete -75mm(min) RC35 concrete with a CEM1 Slump Class 3 to BS 8500 Part 1 & 2: 2002, with a maximum aggregate size of 10mm*.
 - **Tarmac Topflow - Horizontal** - 75mm (min) proprietary self-compacting concrete, containing admixtures to BS EN 934, mortar and grout.

