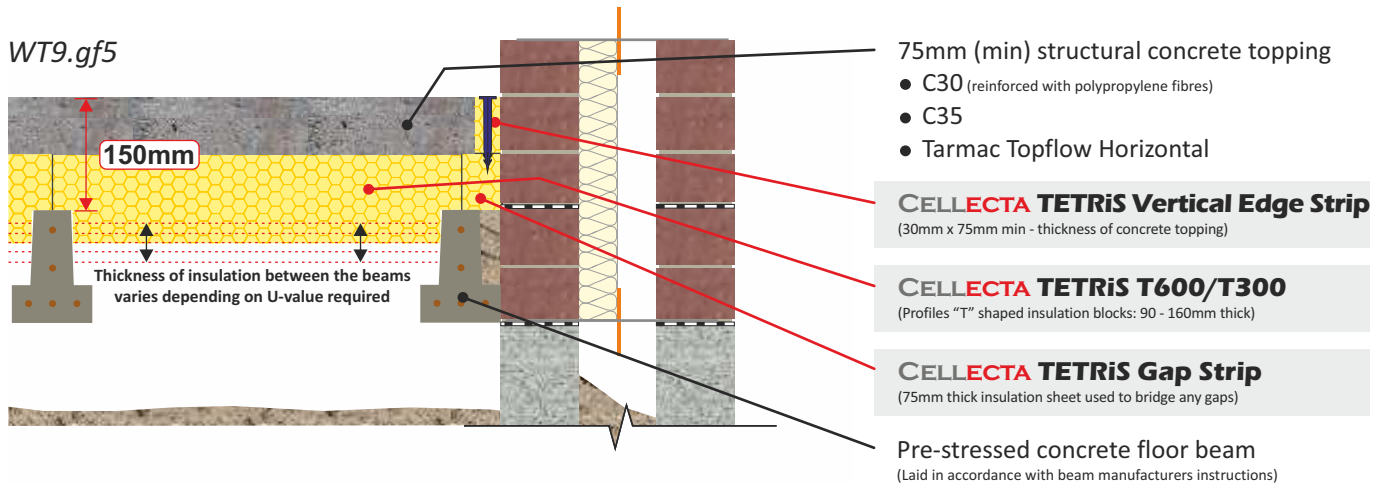


# SUSPENDED BEAM AND INSULATION BLOCK GROUND FLOOR

CELLECTA **TETRIS** insulation blocks installed on pre-stressed concrete beams  
Structural concrete topping



**FASTRACK CAD**  
ARCHITECTURAL CAD DATABASES



**FASTRACK BIM**  
ARCHITECTURAL BIM DATABASES

## Product Information

**TETRIS®**

CELLECTA's **TETRIS** patented insulation blocks provide outstanding thermal and structural performance. The blocks **sit on** and **fit between** standard pre-stressed concrete floor beams and then finished with a structural concrete topping.

## Key Benefits

- U-values as low as 0.11 W/m<sup>2</sup>K
- Quicker and easier to install than a concrete block floor
- Produces a floor with zero cold bridges
- Fixes the floor height above the beams (150 or 225mm)
- Supplied in plot specific quantities - reducing waste

## Physical Properties

		<b>TETRIS</b>			
		<b>T600</b>	<b>T300</b>	<b>Gap Strip</b>	<b>Flat Panel</b>
Thermal Conductivity EN 12667	W/mK	0.034	0.034	0.033	0.033
Strength at 10% compression EN 826	kPa	>300	>300	>300	>300
Strength at 2% compression EN 1606	kPa	180	180	180	180
Long term water absorption by immersion EN 12087	%	>0.7	>0.7	>0.7	>0.7
Block / strip size	mm	600 x 2500	300 x 2500	50 - 600 x 2500	600 x 2500
Standard thickness' (other sizes manufactured to order)	mm	90, 100, 120, 140, 160	90, 100, 120, 140, 160	75	75
Edge profile	15 - 85mm	75mm	75mm	75mm	75mm
		Rebated <sup>(1)</sup>	Rebated <sup>(1)</sup>	Square	Square

(1) Rebated to suit specific beam used

## Typical Thickness of Insulation Required

P/A ratio	TETRIS (mm)							
0.7	100	90	120	90	90	90	100	140
0.6	90	90	120	140	90	90	100	140
0.5	90	90	120	140	90	90	100	140
0.4	90	90	90	120	160	90	90	100
0.3	90	90	90	120	140	90	90	90
	0.25	0.22	0.20	0.18	0.16	0.15	0.14	0.13

**TETRIS**

Foil faced **TETRIS**

**TETRIS** + layer of 75mm **Flat Panel**

U-value (W/m<sup>2</sup>K)  
Calculated in accordance with ISO 13370

## Third Party Accreditation and Approvals



## Environmental Credentials



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