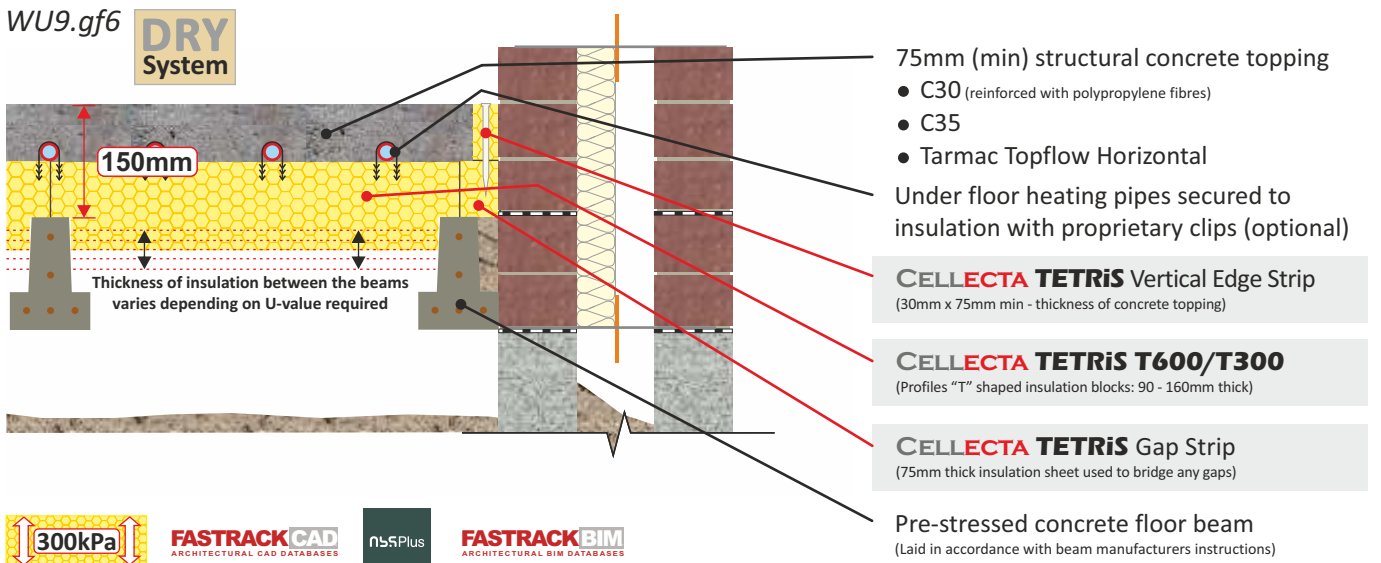


# Suspended ground floor - Beam and insulation block

Underfloor heating pipe clipped to **CELLECTA TETRIS** insulation blocks  
Pipes imbedded within structural concrete topping



## Insulation Board



**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

		TETRIS			
		T600	T300	Gap Strip	Flat Panel
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	Rebated <sup>(1)</sup>	Rebated <sup>(1)</sup>	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

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

- TETRIS
- Foil faced TETRIS
- TETRIS + layer of 75mm Flat Panel

## Third Party Accreditation and Approvals



ISO 9001 N° 10224



BE 009119-1



## Environmental Credentials

