



## Trenchblock/Tongue & Groove Foundations

### KEY DATA

#### Strength

3.6N/mm<sup>2</sup>

#### Thermal conductivity

Above dpc:  
0.15W/m.KBelow Ground:  
0.24W/m.K

#### Density

600Kg/m<sup>3</sup>

Thermalite Trenchblock is a tried and tested, economical alternative to the construction of cavity walls with concrete infill, engineering bricks or heavy aggregate blocks for foundations.

- For use in soils of up to Design Sulfate Class DS 4
- Available with tongue and groove joints and handholds
- Improves thermal performance
- Eliminates the need to mortar perpend

### Working dimensions

Face dimensions (mm) 440 x 215, 440 x 140\*

### Thickness and weights

Block thicknesses and weights at equilibrium density (for 440 x 215mm)

<b>Thickness (mm)</b>	255 <sup>†</sup>	275 <sup>†</sup>	300	355
<b>Weight<sup>1</sup> (kg)</b>	14.9	16.1	17.5	20.8

### Properties

Mean compressive strength not less than 3.6N/mm<sup>2</sup>Design thermal conductivity ( $\lambda$ ) 0.15W/m.K (above dpc),  
0.24W/m.K (below ground)Dry thermal conductivity value: ( $\lambda_{10,dry, unit}$ ) 0.13W/m.KSpecified gross dry density 600kg/m<sup>3</sup>

<sup>1</sup> Weights quoted are based on 3% equilibrium moisture content. For typical as-received weights the above figures should be increased by a further 19%. This is, however, dependent on climatic and storage conditions.

\* Not available with tongue and groove joints

<sup>†</sup> Manufactured to special order only.