

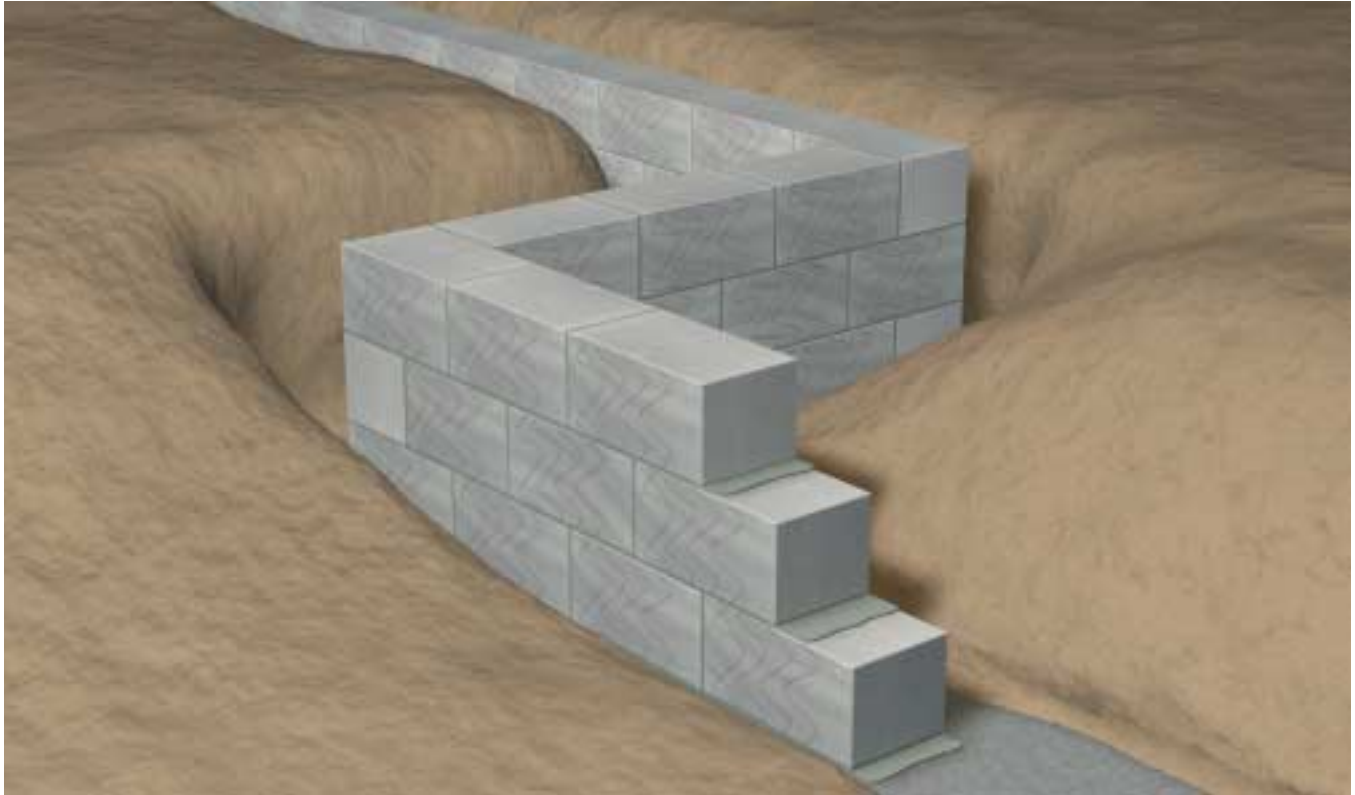
# Hi-Strength Trenchblock

## • foundations

Strength 7.0 N/mm<sup>2</sup>

Thermal conductivity 0.19 W/mK

Density 730 kg/m<sup>3</sup>



Thermalite Hi-Strength Trenchblock provides all the benefits of Trenchblock, together with the 7.0 N/mm<sup>2</sup> compressive strength of Thermalite Hi-Strength.

- For use in soils of up to Design Sulfate Class DS 4
- Available with tongue and groove joints and handholds

## Dimensions

Face dimensions (mm): 440 × 215, 440 × 140\*

\* Not available with tongue and groove joints

## Thicknesses and weights

### Block weights at equilibrium density

face dimensions (mm)	440 × 215				440 × 140			
block thickness (mm)	255	275	300	355 <sup>‡</sup>	255	275	300	355 <sup>‡</sup>
block weight* (kg)	18.1	19.6	21.7	25.3	11.8	12.7	13.9	16.4
wall weight (kg/m <sup>2</sup> )	209	226	250	291	211	228	252	293

\* Block weights are calculated using specified dry density, with a moisture content of 3% by weight added to provide the equilibrium value.

<sup>‡</sup> Manufactured to special order only

## Tolerances

### For general use mortar:

Length and height: + 3 mm - 5 mm

Thickness: ± 4 mm max. (± 2 mm average)

### For thin joint mortar:

Length: ± 3 mm, Height: ± 1.5 mm,

Thickness: ± 2 mm

## Properties

Average saturated compressive

strength: not less than 7.0 N/mm<sup>2</sup>

Designed thermal conductivity (λ):

0.19 W/mK (above ground)

0.31 W/mK (below ground)

Specified dry density: 730 kg/m<sup>3</sup>

Drying shrinkage:

complies with BS 6073: Part 1

