

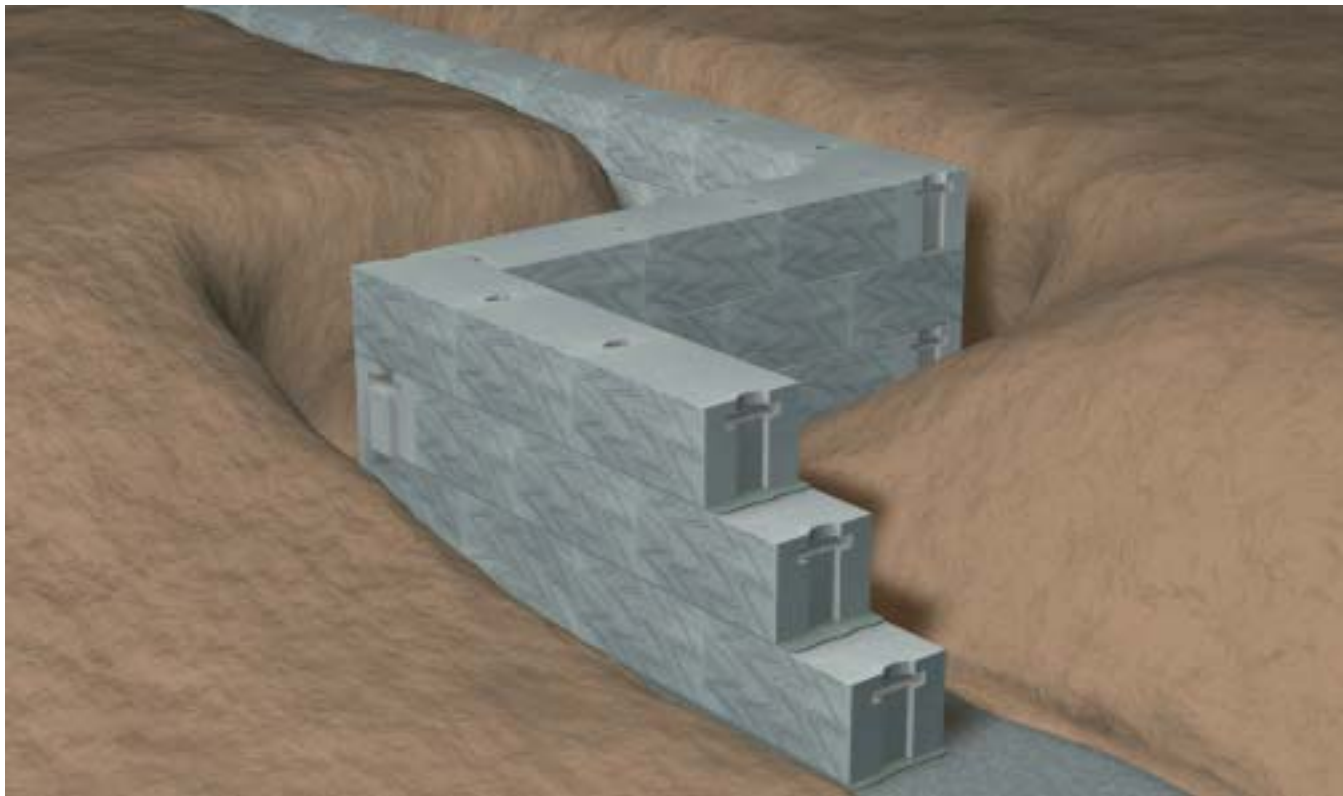
Trenchblock

• foundations

Strength 4.0 N/mm²

Thermal conductivity 0.15 W/mK

Density 600 kg/m³



Thermalite Trenchblock is a tried and tested, economical alternative to the construction of cavity walls with concrete infill 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

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 [‡]	255	275	300	355 [‡]
block weight* (kg)	14.9	16.1	17.5	20.8	9.7	10.5	11.4	13.5
wall weight (kg/m ²)	177	191	209	247				

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

[‡] Manufactured to special order only



Tolerances

For general purpose 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 4.0 N/mm²

Designed thermal conductivity (λ): 0.15 W/mK (above ground)
0.23 W/mK (below ground)

Specified dry density: 600 kg/m³

Drying shrinkage: complies with BS 6073: Part 1