



Hi-Strength Trenchblock/ Tongue & Groove Foundations

KEY DATA**Strength**7.3N/mm²**Thermal conductivity**Above dpc:
0.18W/m.KBelow Ground:
0.29W/m.K**Density**730Kg/m³

Thermalite Hi-Strength Trenchblock provides all the benefits of Trenchblock, together with the 7.3N/mm² 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

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)

Thickness (mm)	255 [†]	275 [†]	300	355
Weight¹ (kg)	18.1	19.6	21.3	25.3

Thickness and weights

Block thicknesses and weights at equilibrium density (for 440 x 140mm)*

Thickness (mm)	255 [†]	275 [†]	300	355
Weight¹ (kg)	11.8	12.7	13.9	16.4

PropertiesMean compressive strength not less than 7.3N/mm²Design thermal conductivity (λ) 0.18W/m.K (above dpc),
0.29W/m.K (below ground)Dry thermal conductivity value: ($\lambda_{10,dry, unit}$) 0.16W/m.KSpecified gross dry density 730kg/m³

¹ Weights quoted are based on 3% equilibrium moisture content. For typical as-received weights the above figures should be increased by a further 20%. This is, however, dependent on climatic and storage conditions.

* Not available with tongue and groove joints

† Manufactured to special order only.