

Shield

- external walls
- foundations
- partitions

Strength 4.0 N/mm²

Thermal conductivity 0.15 W/mK

Density 600 kg/m³



Shield combines all the normal qualities of Thermalite building blocks with extremely high moisture resistance. It is therefore ideal for use in composite constructions incorporating secondary insulation.

- Available in large format
- For use with thin joint mortar

Dimensions

Face dimensions (mm): 440 × 215, 440 × 140, 440 × 430
(540 × 440 also available at a compressive strength of 3 N/mm²)

Thicknesses and weights

Block weights at equilibrium density (for 440 × 215 mm face dimension)

block thickness (mm)	75	90	100	125	140	150	190	200
block weight* (kg)	4.4	5.3	5.9	7.3	8.2	8.8	11.1	11.7
wall weight† (kg/m ²)	52	63	70	87	97	104	132	139

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

† Weight of erected wall (including mortar). Add 11 kg/m² per side for a 2-coat lightweight plaster finish (24 kg/m² for dense plaster).



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 4.0 N/mm²

Designed thermal conductivity (λ): 0.15 W/mK

Specified dry density: 600 kg/m³

Drying shrinkage: complies with BS 6073: Part 1