

Turbo

• external walls • foundations • partitions

Strength 2.8 N/mm²

Thermal conductivity 0.11 W/mK

Density 470 kg/m³



Thermalite Turbo building block offers very high thermal insulation properties and is therefore ideal for external wall applications where low U-values are required.

- Available in large format
- For use with thin joint mortar
- May be used below ground in soils up to Design Sulfate Class DS 3

Dimensions

Face dimensions (mm): 440 × 215, 440 × 430

Thicknesses and weights

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

block thickness

(mm)	100	115	125	130	140	150	190	200	215	265	300†
block weight*	4.6	5.3	5.7	6.0	6.4	6.9	8.7	9.2	9.9	12.1	13.7
wall weight†	57	66	71	74	80	86	108	114	123	151	173

block weight*

(kg)

wall weight†

(kg/m²)

* 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).

‡ 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 2.8 N/mm²

Designed thermal conductivity (λ): 0.11 W/mK

Specified dry density: 470 kg/m³

Drying shrinkage: complies with BS 6073: Part 1

