



Shield

External walls • Foundations • Partitions • Separating walls

KEY DATA

Strength
3.6N/mm²

Thermal conductivity
0.15W/m.K

Density
600kg/m³

Shield combines all the normal qualities of Thermalite blocks with extremely high moisture resistance.

- Available in large format
- For use with Thermalite Thin Layer Mortar

Working dimensions

Face dimensions (mm) 440 x 215, 440 x 140[†], 440 x 430[†], 540 x 440[‡], 440 x 240[†]

Thicknesses and weights

Block thicknesses and weights at equilibrium density (for 440 x 215mm)

Thickness (mm)	50	75	90 [†]	100	115	125	140	150	190	200
Weight ¹ (kg)	2.9	4.4	5.3	5.8	6.7	7.3	8.2	8.8	11.1	11.7

Properties

Mean compressive strength not less than 3.6N/mm²

Design thermal conductivity (λ) 0.15W/m.K

Dry thermal conductivity value: ($\lambda_{10,dry,unit}$) 0.13W/m.K

Specified gross dry density 600kg/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.

[†] Manufactured to special order only (100mm width Large Format is a stock product).

[‡] Only available in 100mm thickness with a compressive strength of 3N/mm², manufactured to special order only.