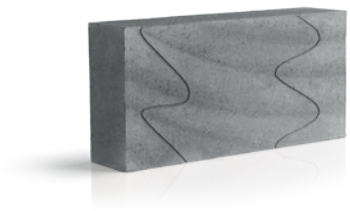
THERMALITE

a Forterra brand

Technical Datasheet **Thermalite Hi-Strength 10**



Hi-Strength 10

External Walls • Foundations • Partitions • Separating Walls

KEY DATA

Strength
9.0N/mm²
(10.4N/mm² equivalent)

Thermal conductivity
0.19W/m.K

Density
770Kg/m³

Hi-Strength 10 has been specifically developed for structural applications such as three or four storey buildings, where loading conditions require a 10.4N/mm² building block.

Hi-Strength 10 blocks are available in a range of thicknesses as a special order item only. Please contact Customer Services for full details.

Working dimensions

Face dimensions (mm) 440 x 215

Thickness and weights

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

Thickness (mm)	100	140	150†	190†	200†	215†	275†	300†	355†
Weight[1] (kg)	7.8	10.9	11.7	14.8	15.6	16.8	21.4	23.4	27.7

Properties

Mean compressive strength not less than 9.0N/mm²·

Design thermal conductivity (λ) 0.19W/m.K

Design thermal conductivity below ground (λ) 0.31W/m.K

Dry thermal conductivity value: ($\lambda_{10,dry,\ unit}$) 0.17W/m.K

Specified gross dry density 770kg/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.

* Blocks are manufactured to BS EN 771-4, Category 1, which allows the use of an enhanced partial safety factor (BS 5628).

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