



# Hi-Strength 7 and 10 Coursing Block

## Bonding • Coursing • Infill • Making up

### KEY DATA

#### Strength

7.3N/mm<sup>2</sup> 9.0N/mm<sup>2</sup>  
(10.4N/mm<sup>2</sup> equivalent)

#### Thermal conductivity

Hi-Strength 7:

0.18W/m.K

Hi-Strength 10:

0.19W/m.K

**Note:** Thermalite Hi-Strength Coursing Blocks are suitable for use externally (with an impervious finish) and internally, above or below dpc level in loadbearing or non-loadbearing applications.

Loadbearing walls should not be constructed with Thermalite Hi-Strength Coursing Blocks as the sole masonry unit.

Hi-Strength Coursing Blocks are autoclaved aerated masonry units produced to a standard brick height while retaining the length of a standard block. They are used for bonding and infill to ensure that a uniform thermal performance is achieved throughout the wall. The coursing block reduces the number of mortar joints required when detailing and therefore provides time savings.

- Protect against pattern staining
- Infill above doors and windows
- Coursing at floor and ceiling level
- Making up between joists
- For use with general purpose mortar and thin layer mortar

### Working dimensions

Face dimensions (mm) 440 x 65

#### Thickness

Thickness (mm)	100	140
Weight <sup>1</sup> (kg)	2.15	3.0

#### Pack Size

100mm 180 Blocks	6.0m <sup>2</sup> *
140mm 126 Blocks	4.26m <sup>2</sup> *

### Properties

Mean compressive strength 7.3N/mm<sup>2</sup> and 9.0N/mm<sup>2</sup>

Design thermal conductivity ( $\lambda$ ) 0.18W/m.K for Hi-Strength 7 and 0.19W/m.K for Hi-Strength 10

Dry thermal conductivity value: ( $\lambda_{10,dry, unit}$ ) 0.16W/m.K for Hi-Strength 7 and 0.17W/m.K for Hi-Strength 10

<sup>1</sup> Weights quoted are based on 3% equilibrium moisture content. For typical as-received weights the above figures should be increased by a further 20%.

\* Using traditional coordinating work face size i.e. 450mm x 75mm.

† Blocks are manufactured to BS EN 771-4, Category 1 which allows the use of an enhanced partial safety factor. This provides the equivalent of 10.4N/mm<sup>2</sup> compressive strength.