

# Hi-Strength Smooth Face

• external walls • partitions • separating walls

Strength 7.0 N/mm<sup>2</sup>

Thermal conductivity 0.19 W/mK

Density 730 kg/m<sup>3</sup>



Hi-Strength Smooth Face combines the high quality appearance of Smooth Face with the compressive strength of Thermalite Hi-Strength blocks.

- 7.0 N/mm<sup>2</sup> compressive strength
- Clean lines, even surfaces and neat, sharp arrises
- For use with thin joint mortar

## 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	140	150	190	200	215
block weight* (kg)	7.1	10.0	10.7	13.5	14.2	15.3
wall weight† (kg/m <sup>2</sup> )	82	115	123	156	164	176

\* 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).

## Note

If required, Smooth Face can also be laid fairfaced. However, consideration should be given to the fact that colour variation can occur.

It is recommended that a Smooth Face sample panel is erected for comparison purposes before construction commences and that selection is undertaken during construction. It may also be necessary to fill small blow holes before decoration.

Due to thickness variations within manufacturing tolerances, it may be difficult to build solid partition walls which have a smooth and even surface on both sides.

## 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 7.0 N/mm<sup>2</sup>

Designed thermal conductivity (λ):

0.19 W/mK

Specified dry density: 730 kg/m<sup>3</sup>

Drying shrinkage: complies with BS 6073: Part 1

