



LIGHTWEIGHT 'INSULITE' CONCRETE BLOCKS

The Thomas Armstrong (Concrete Blocks) Ltd group of companies offers a comprehensive range of lightweight aggregate concrete blocks for general purpose and facing applications in housing, commercial and industrial sectors.

Manufactured in accordance with BS EN 771-3, they are Part L and Part E compliant, suitable for the construction of separating walls conforming to Robust Standard Details.

All lightweight concrete blocks are manufactured using recycled raw materials wherever possible which are sourced locally to minimize environmental impact and support local economies.



APPLICATIONS

- External Cavity or Solid walls
- Loadbearing and non-loadbearing walls
- Party Walls
- Flanking walls to Party walls
- Internal Partition Walls
- Foundation Walls below dpc
- Beam & Block Suspended Floors
- Fire Resistant Walls

TECHNICAL PROPERTIES

Face Size:	440mm x 215mm
Compressive Strengths:	3.6, 4.2, 7.3 & 10.4 N/mm ²
Dry Density:	1350 - 1450 kg/m ³
Design Thermal Conductivity:	0.42 W/mK (see note)
Fire Resistance Category:	Class 1 as per BS 5628:3
Tolerance Category:	D1
Freeze/Thaw Resistant:	Yes
Average Drying Shrinkage:	< 0.8 mm/m

MANUFACTURING LOCATIONS AND PRODUCTS AVAILABLE

The table below is a quick reference guide to summarize which blocks are made where. However, please contact the manufacturing site for specific details.

- **Standard grade** - for general purpose and 'background' applications above and below d.p.c
- **Premier grade** - 'Premier' is the name we use for all blocks formerly known as 'Fair-faced' and 'Paint-grade'.

Manufacturing Location :	Rowlands Gill Newcastle	Pickhill Thirsk	Stocks Blocks Ltd Leeds	Wm Rainford Ltd Merseyside	Couthards Ltd Cumbria	Barnetts Ltd Congleton
Sales Office No :	01207 544214	01845 567282	0113 2320022	0151 5255991	01697 331324	01260 273170
Solid Lightweight	●	●	●	●	●	●
Premier Lightweight	●	●	●	●	●	●
Cellular Lightweight				●		
Solid Dense	●	●	●	●	●	●
Premier Dense	●	●	●	●	●	●
Cellular Dense			●	●	●	●
Hollow Lightweight						
Hollow Dense	●	●	●	●	●	●
Foundation Blocks		●	●	●	●	
MIDI Solid Dense Blocks		●	●		●	
Specials (bricks, slips)		●	●		●	

Note: For the purposes of thermal calculations, a λ-value of 0.40 W/mK for lightweight blocks from Stocks Blocks Ltd in Leeds should be used.

For further information, please visit our website www.thomasarmstrong.co.uk