



Specification & Technical Information

Data Sheet 1
Dense Aggregate Blocks
Jan 2009

Dense Aggregate Blocks

Face Dimensions: 440mm x 215mm

Thickness (mm)	Type	Paint Grade	Quantity per Pack (m ²)	Average Dry Density @3% Moisture Content (Kg/m ³)	Thermal Conductivity @3% Moisture Content (W/mk)	Approx Weight (kg)	Compressive Strength (N/mm ²)	Approx Drying Shrinkage 1%	Thermal Resistance Values (m ² K/W)	Notional Fire Resistance (Hours)	Sound Reduction Value (dB)
100	Solid	✓	7.2	2000	1.12 (Int) 1.24 (ex)	19	3.6 7.3 10.4 14* 21*	0.03	0.089 (In) 0.081 (Ex)	(See note 1) 2	(See note 2) 49
100	Cellular	*	9.0	1990	1.32 (Int) 1.44 (ex)	14.5	3.6 7.3*	0.03	0.110 (In) 0.100 (Ex)	(See note 1) 2	(See note 2) 47
140	Solid	✓	4.8	2000	1.12 (Int) 1.24 (ex)	26	3.6 7.3 10.4 14 21*	0.03	0.125 (In) 0.114 (Ex)	(See note 1) 2	(See note 2) 52
140	Hollow	*	6.0	1400	1.12 (Int) 1.24 (ex)	19	3.6 7.3*	0.03	0.186 (In) 0.174 (Ex)	(See note 1) 2	(See note 2) 50
215	Hollow	*	4.0	1400	1.12 (Int) 1.24 (ex)	28	3.6 7.3*	0.03	0.232 (In) 0.220 (Ex)	(See note 1) 2	(See note 2) 52

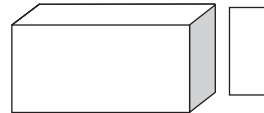
*Available on special request

Note 1: Figures given are for single leaf construction excluding wall finishes
Note 2: Based on wall mass law and plastered both sides

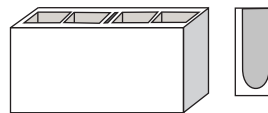
Suitable Applications

- Outer & Inner Leaves of Cavity Walls
- Block & Beam Flooring
- Partition Walls
- Earth Retaining and Sound Absorption Purposes
- High Strength Walling
- Above or Below Ground Conditions
- Reinforced Walls
- Column Encasement
- Where Adverse Ground Conditions are met....
....Sulphate Resisting Blocks are Available

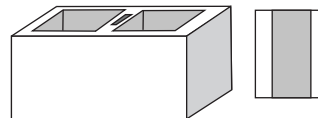
Block Types



Solid Blocks
Blocks which contain no formed voids.



Cellular Blocks
Blocks which contain one or more formed voids which do not fully penetrate the block.



Hollow Blocks
Blocks which contain one or more formed voids which fully penetrate the block.

Dense Aggregate Briquettes

Can be used in areas of block work where coursing details or closure is necessary. Thus reducing cutting time and wastage of full size blocks.

Size (mm)	Form	No. Per Pack	Approx Weight (kg)
100*215*65	No Frogs or Holes	416	2.8



Load Sizes

Face Dimensions: 440mm x 215mm

Thickness (mm)	Arctic (m ²)	8 Wheeler	6 Wheeler
100 Solid	144	100.8	72
100 Cellular	198	144	108
140 Solid	96	67.2	52.8
140 Hollow	120	96	72
215 Hollow	88	64	48

Blocks manufactured to BS EN 771 - 3 : 2003
CAT 1 D1 TOLERANCE