



DENSE PAINT GRADE BLOCKS

The materials used in the manufacture of our paint grade blocks enables a close textured finish to be obtained. Where appearance is important such as factory units, schools, offices, shopping precincts etc our paint grade are ideal. The high density of WDL blocks give them excellent sound properties.

They offer an excellent background surface texture to receive a range of proprietary paints which will aesthetically enhance the features of the building. Our dense paint grade blocks are manufactured and tested in accordance to BS EN771-3, only selected crushed natural limestone aggregates, and ordinary Portland cement are used in the production. Although our

blocks are consistent in texture and tolerances, we cannot guarantee its natural colour. Slight variations in its colour can occur due to the use of natural aggregates. When block laying, we strongly recommend that our Paint grade blocks should be taken from different stacks/loads, site blending can then prevent colour banding. Rigorous inspection and testing procedures are carried out on a daily basis, the blocks are also independently tested and these test certificates are available upon request.

High levels of sound reduction properties can be obtained with our dense paint grade blocks which are not necessarily perceived with non-aggregate concrete products. They also provide excellent fire resistance properties, they are non-combustible and conform to class o rating. To compliment our range, coursing units are available in brick size or full length units in 100mm / 140mm thick. The physical characteristics of our Paint grade blocks make them suitable for a wide range of applications in load bearing and non-load bearing internally and externally.



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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)	2	44
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)	2	42
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)	2	46
140	Hollow	*	6.0	1400	1.12 (Int) 1.24 (ex)	19	3.6 7.3*	0.03	0.186 (In) 0.174 (Ex)	2	46
215	Hollow	*	4.0	1400	1.12 (Int) 1.24 (ex)	28	3.6 7.3*	0.03	0.232 (In) 0.220 (Ex)	2	45

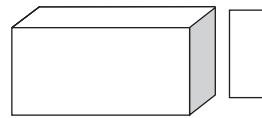
*Available on special request

Figures given are for single leaf construction excluding wall finishes

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

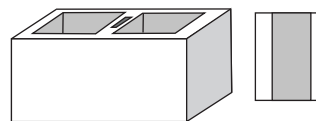
Block Types



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