

DENSE AND LIGHTWEIGHT COURSING BRICKS

PD Edenhall's coursing bricks are designed to be used in all types of construction in conjunction with lightweight aggregate or dense aggregate blocks.

The 140mm width units are particularly suitable for use in the inner leaf of three-storey buildings and party walls (Ref. Parts A and E of the Building Regulations) in addition to the requirements of BS8103, 'Structural Design of Low Rise Buildings'.

For lightweight bricks, the specially selected aggregates used in the manufacturing process provide density, strength and thermal conductivity values which are comparable with the majority of lightweight aggregate blocks.

In addition to their ability to withstand repeated cycles of attack from rain and frost, good quality coursing bricks age harden, and throughout independently controlled laboratory experiments, the bricks passed the most rigorous freeze/thaw tests designed to establish the durability classification for masonry.

The use of these bricks minimises cutting of blocks on site thus reducing waste, cost and time.

The bricks, which are solid, are manufactured and tested in accordance with the relevant sections of BS6073.

FORM	Solid – no frogs or perforations
APPEARANCE	Greyish colour – coarse texture
SIZE	215mm x 65mm x 140mm (±2mm) 215mm x 65mm x 102mm (±2mm)
COMPOSITION	Dense aggregate and OPC or blended lightweight aggregate and OPC
DENSITY	Average 2200kg/m ³ for dense units Average < 1500kg/m ³ for lightweight units
DRY WEIGHT	4.3kg approximately for 140mm dense units 2.0kg approximately for 65mm lightweight units 2.7kg approximately for 140mm lightweight units
STRENGTH	20N/mm ² minimum average for dense units 10N/mm ² minimum average for lightweight units
WATER ABSORPTION	6–8% approximately for dense units 10–15% approximately for lightweight units
DRYING SHRINKAGE	Less than 0.06%
THERMAL CONDUCTIVITY	1.59W/mK@3% <i>m/c</i> for dense units 0.46W/mK@3% <i>m/c</i> for lightweight units
THERMAL RESISTANCE	0.08m ² K/W@3% <i>m/c</i> for 140mm dense units 0.22m ² K/W@3% <i>m/c</i> for 65mm lightweight units 0.304m ² K/W @ 3% <i>m/c</i> for 140mm lightweight units
PRESENTATION	Shrink-wrapped on pallets in packs of 320, 384 and 512 No. bricks*
BUILT WALL WEIGHT	225kg/m ² (Unplastered Single Leaf Wall) per 100mm thickness, for dense units 150kg/m ² (Unplastered Single Leaf Wall) per 100mm thickness, for lightweight units
PACK WEIGHT	1025kg–1380kg
APPROX PACK DIMENSION	1040mm x 860mm x 700mm height
APPLICATIONS	<ul style="list-style-type: none"> • Making up courses in blockwork • As padstones on top of hollow blocks • As reveals, jambs and window heads • As kicker units to bring blockwork to wall height • To eliminate cutting on site

Under the Building Regulations 2000, Approved Document. Lightweight bricks of the above specification may be used as infill for blocks with a density range of 1000Kg/m³ to 1500Kg/m³.

* Lightweight aggregate blocks should not be confused with aerated concrete blocks (eg. Thermalite, Celcon and Durox).



PD EDENHALL LTD
HEAD OFFICE
Danygraig Works
Danygraig Road
Risca, Newport NP11 6DP
Tel: 01633 612671
Fax: 01633 601280

REGIONAL SALES OFFICES

SOUTHERN	Danygraig Works, Danygraig Road, Risca, Newport NP11 6DP	Tel: 01633 600806	Fax: 01633 601280
CENTRAL	Buxton Works, Peak Forest Road, Smalldale, Nr Buxton SK17 8EA	Tel: 01298 25396	Fax: 01298 71728
NORTHERN	Blencowe Works, Blencowe, Nr Newbiggin, Stainton, Penrith CA11 0DE	Tel: 01768 483374	Fax: 01768 483127