

## DENSE CONCRETE COMMON BRICKS

PD Edenhall's dense common bricks are designed to be used for all types of construction above and below dpc level independently or in conjunction with dense aggregate blocks.

The specially selected dense aggregates used in the manufacturing process provide density, strength and thermal conductivity values, which are compatible with the majority of dense concrete blocks.

In addition to their ability to withstand repeated cycles of attack from rain and frost, good quality dense concrete 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 bricks, which may be solid or frogged, are manufactured and tested in accordance with the relevant sections of BS6073.

FORM	Solid or Frogged depending upon the manufacturing works
APPEARANCE	Greyish colour – close texture Colour may vary depending on the individual works
SIZE	215mm x 65mm x 102.5mm (±2mm) 215mm x 73mm x 102.5mm (±2mm)
COMPOSITION	Dense Aggregate and OPC
DENSITY	Average 2200kg/m <sup>3</sup>
DRY WEIGHT	3.0Kg–3.32kg approximately
STRENGTH	20N/mm <sup>2</sup> minimum average
WATER ABSORPTION	6–8% approximately
DRYING SHRINKAGE	Less than 0.06%
THERMAL CONDUCTIVITY	1.59W/mK@3% m/c 1.70W/mK@5% m/c
THERMAL RESISTANCE	0.064m <sup>2</sup> K/W@3% m/c 0.060m <sup>2</sup> K/W@5% m/c
EQUIVALENT PERFORMANCE	Although manufactured to a specific concrete masonry standard, PD Edenhall bricks can be classed as equivalent to a clay brick F.L. grade, i.e. frost resistant with low efflorescence
PRESENTATION	Self-contained packs of 240, 320, 432 or 448 No. bricks, either voided with bands or solid and shrink-wrapped to non-returnable pallets.* Pack size depends on the particular supplying works
BUILT WALL WEIGHT	225kg/m <sup>2</sup> (Unplastered Single Leaf Wall)
PACK WEIGHT	1025kg–1435kg approximately*
APPROX PACK DIMENSION	1.0m x 0.9m x 0.5m to 0.7m height*

\* As many of these products are made to order for specific markets, please obtain further details on specification details, product availability, pack sizes and weights from your local PD Edenhall Sales Office or alternatively call our Head Office on 01633 612671.



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Tel: 01633 612671  
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## 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

## HIGH STRENGTH DENSE CONCRETE COMMON BRICKS

PD Edenhall's high strength dense common bricks are designed to be used for all types of construction above and below dpc level independently or in conjunction with dense aggregate blocks.

The specially selected dense aggregates used in the manufacturing process provide density, strength and structural stability.

In addition to their ability to withstand repeated cycles of attack from rain and frost, good quality high strength dense concrete 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 bricks, which are solid, are manufactured and tested in accordance with the relevant sections of BS6073.

<b>FORM</b>	Solid – no frogs or perforations
<b>APPEARANCE</b>	Greyish colour – close texture
<b>SIZE</b>	215mm x 65mm x 102.5mm (±2mm)
<b>COMPOSITION</b>	Dense Aggregate and OPC
<b>DENSITY</b>	Average 2250Kg/m <sup>3</sup>
<b>DRY WEIGHT</b>	3.25Kg approximately
<b>STRENGTH</b>	Available in a variety of strengths ranging from 28N/mm <sup>2</sup> to 50N/mm <sup>2</sup> *
<b>WATER ABSORPTION</b>	6–8% approximately
<b>DRYING SHRINKAGE</b>	Less than 0.06%
<b>THERMAL CONDUCTIVITY</b>	1.59W/mK@3% <i>m/c</i> 1.70W/mK@5% <i>m/c</i>
<b>THERMAL RESISTANCE</b>	0.064m <sup>2</sup> K/W@3% <i>m/c</i> 0.060m <sup>2</sup> K/W@5% <i>m/c</i>
<b>EQUIVALENT PERFORMANCE</b>	Although manufactured to a specific concrete masonry standard, PD Edenhall bricks can be classed as equivalent to a clay brick F.L. grade, i.e. frost resistant with low efflorescence.
<b>PRESENTATION</b>	Self-contained packs of 320, 432 or 448 No. bricks, either voided with bands or solid and shrink-wrapped to non-returnable pallets*. Pack size depends on the particular supplying works.
<b>BUILT WALL WEIGHT</b>	225kg/m <sup>2</sup> (Unplastered Single Leaf Wall)
<b>PACK WEIGHT</b>	1050kg–1475kg approximately*
<b>APPROX PACK DIMENSION</b>	1.0m x 0.9m x 0.5m to 0.7m height*

\* As many of these products are made to order for specific markets, please obtain further details on specification details, product availability, pack sizes and weights from your local PD Edenhall Sales Office or alternatively call our Head Office on 01633 612671.



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<b>CENTRAL</b>	Buxton Works, Peak Forest Road, Smalldale, Nr Buxton SK17 8EA	Tel: 01298 25396	Fax: 01298 71728
<b>NORTHERN</b>	Blencowe Works, Blencowe, Nr Newbiggin, Stainton, Penrith CA11 0DE	Tel: 01768 483374	Fax: 01768 483127