

BRICK TECHNICAL DATA SHEET BTDS 4
DENSE CONCRETE COMMON BRICKS

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 BS EN 771-3: 2011; Specification for Masonry Units: Aggregate Concrete Masonry Units.

As stated in this Standard they can be defined as:

- Common masonry units normally intended for use with no faces left visible.

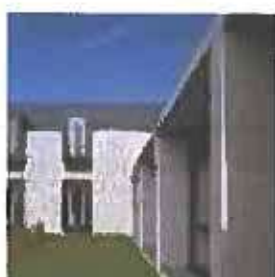
APPEARANCE:	Greyish colour with variable texture. The colour may vary depending on the supplying works. No guarantee can be given in respect of colour or texture consistency.	
DIMENSIONS:	215mm x 100mm x 65mm 215mm x 100mm x 73mm - made to special order by certain works	
TOLERANCES:	Category D1 (+3-5mm in all directions)	
CONFIGURATION:	Solid or Frogged depending on the manufacturing works.*	
COMPOSITION:	Dense Aggregates and Portland Cements	
DRY DENSITY:	Average 2200 kg/m ³	
DRY WEIGHT:	2.85 – 3.2kg approximately for 65mm size	
COMPRESSIVE STRENGTH:	>22N/mm ² mean. Air dry. Available in strengths up to 35N/mm ² .	
THERMAL CONDUCTIVITY:	Protected	Exposed
	1.59 W/mK (As CIBSE Guide A, Table 3.1)	1.70 W/mK
DURABILITY:	Based on tabulated values from BS 5628-3, Table 12, common bricks are classed as frost resistant.	
WATER ABSORPTION BY CAPILLARITY:	<150g/m ² /s ^{0.5}	
MOISTURE MOVEMENT:	<0.45mm/m	
WATER VAPOUR PERMEABILITY:	5/15μ (Tabulated from EN 1745)	
REACTION TO FIRE:	Euroclass A1	
SHEAR BOND STRENGTH:	0.15N/mm ² (Tabulated from EN 998-2: 2003, Annex C)	
BUILT WALL WEIGHT:	225kg/m ² (Unplastered Single Leaf Wall)	
GREEN GUIDE RATING:	A+	
PRESENTATION:	Self contained packs, shrinkwrapped in most instances to non-returnable pallets, or void packed and shrinkwrapped, depending on supplying works.*	

**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 Edenhall Sales Office, or alternatively call our Head Office.*

Head Office:

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www.edenhall.co.uk



Rivendale

Colour: Blue-Black



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Size of slate	600mm x 300mm
Minimum pitch**: Moderate exposure	22.5° (100mm lap) 20° (110mm lap)
Minimum pitch**: Severe exposure	25° (100mm lap) 22.5° (110mm lap)
Maximum pitch	90°
Typical laps	100, 110mm
Slate hooks	Hook fixed 100 -150mm
Maximum gauge	245 - 250mm
Slate thickness	4mm
Covering capacity (net)	13.4 slates/m ² at 100mm lap 13.6 slates/m ² at 110mm lap 14.8 slates/m ² at 150mm lap
Weight of slating (approx)	20.4 kg/m ² (0.20 kN/m ²) at 100mm lap 20.9 kg/m ² (0.20 kN/m ²) at 110mm lap 22.8 kg/m ² (0.20kN/m ²) at 150mm lap
Battens required (net)	4.00 lin.m/m ² at 100mm lap 4.08 lin.m/m ² at 110mm lap 4.45 lin.m/m ² at 150mm lap
Batten size recommended (fixed to BS 5534)	50 x 25mm for rafters/supports not exceeding 600mm centres
Fixings	Slate nails (30 x 2.65mm) Copper disc rivets (19mm dia. x 2mm stem)
Fitting Screws	14 gauge self sealing
Slate hooks***	Length to equal to lap
Authority	BS EN 492

Cedral fibre cement slates meet the strength requirement of BS EN 492, achieving an average bending movement greater than 50 NM/M (Class B). The slates also have a minimum density of 1700 kg/m³ and a nominal thickness of 4mm.

*Made to order