

# BRICK TECHNICAL DATA SHEET

## FACING BRICKS

Edenhall's facing bricks provide an attractive appearance and may be used for the majority of forms of external and internal construction. They are available in wide ranges of mono and multi colours, from white to blue, and in a variety of different textures including Sandfaced, Smooth, Textured, Stonefaced, Rumbled and Weathered finishes.

Facing bricks are manufactured by blending selected dense aggregates and colourfast iron oxide pigments with Portland cements. Their low porosity, frost resistance and age hardening properties make them eminently suitable for use below dpc in foundations, boundary walls and externally above ground level, regardless of the severity of exposure.

The bricks, which may be solid, frogged or perforated, are manufactured and tested in accordance with BS EN 771-3: 2011: Specification for Masonry Units: Aggregate Concrete Masonry Units.

- Facing masonry units intended for use with one or more faces left visible and which may or may not be exposed to external climatic conditions.
- Masonry units exposed to external climatic conditions without render or other equivalent protection.

	Solid Facing	Frogged Facing	Perforated Facing
<b>Appearance</b>	Smooth, Textured, Weathered, Stonefaced, Rumbled, Sandfaced	Smooth as mould, Rumbled	Smooth as mould
<b>Dimensions</b>	215 x 100 x 65mm		
<b>Tolerances</b>	Category D1 (+3-5mm in all directions)		
<b>Configuration</b>	Solid, no voids or frogs	Frogged, one bed face	3 vertical perforations
<b>Net Dry Density</b>	2000kg/m <sup>3</sup> average	2000kg/m <sup>3</sup> average	1950kg/m <sup>3</sup> average
<b>Dry Weight</b>	3.1kg – 3.25kg	2.5kg – 2.7kg	2.3kg – 2.45kg
<b>Compressive Strength</b>	>22.5N/mm <sup>2</sup> mean. Air dry.		
<b>Thermal Conductivity</b>	1.11 W/mK (dry); 1.24 W/mK (@3%); 1.33 W/mK (@5%)		
<b>Durability</b>	Based on tabulated values from PD 6697:2010 facing bricks are classed as frost resistant with minimal salts.		
<b>Water Absorption by Capillarity</b>	<85g/m <sup>2</sup> /s <sup>0.5</sup>		
<b>Water Absorption by Weight</b>	5-9% after 24 hours		
<b>Moisture Movement</b>	<0.45mm/m		
<b>Water Vapour</b>	5/15μ (Tabulated from EN 1745)		
<b>Reaction to Fire</b>	Euroclass A1		
<b>Shear Bond Strength</b>	0.15N/mm <sup>2</sup> (Tabulated from EN 998-2: 2003, Annex C)		
<b>Built Wall Weight (100mm Wide)</b>	215kg/m <sup>2</sup> Unplastered Single Leaf Wall	189kg/m <sup>2</sup> Unplastered Single Leaf Wall	175kg/m <sup>2</sup> Unplastered Single Leaf Wall
<b>Green Guide Rating</b>	A+		
<b>Presentation</b>	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.

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