

Lakeland PAVERS®

Paving The Way

COMMON MASONRY UNITS - PRODUCT INFORMATION

Hollow (Group 2)

Face Size:	440 x 215mm
Gross Dry Density:	1380Kg/m ³
Net Dry Density:	1980Kg/m ³
Total volume of voids:	30%
Volume of largest void:	15%
Thickness of web:	50mm
Thickness of shells:	50mm
Combined thickness of webs & shells:	Face to face - 100mm. Header to header - 150mm
Area of voids on bed face:	30% (both faces)

Thickness (mm)	Mean Strengths (N/mm ²)	Finishes (S, FF, PG)	Dry Weight (Kg)	Weight Laid (Kg/m ²)	R-Value (m ² K/W)	Fire Resistance (hours) - Load Bearing	Number Per Pack	m ² Laid Per Pack
215	3.6	S	27.5	290	0.23	2	40	4.05

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Solid, Dense (Group I)

Face Size: 440 x 215mm
 Gross Dry Density: 1950Kg/m³

Thickness (mm)	Mean Strengths (N/mm ²)	Finishes (S, FF, PG)	Dry Weight (Kg)	Weight Laid (Kg/m ²)	R-Value (m ² K/W)	Fire Resistance (hours) - Load Bearing	Number Per Pack	m ² Laid Per Pack
100	7.3	S	18.1	195	0.09	2	72	7.29 (3.56)
140	7.3	S	25.6	276	0.124	3	48	4.86 (3.24)

Solid, Lightweight (Group I)

Face Size: 440 x 215mm
 Gross Dry Density: 1410Kg/m³

Thickness (mm)	Mean Strengths (N/mm ²)	Finishes (S, FF, PG)	Dry Weight (Kg)	Weight Laid (Kg/m ²)	R-Value (m ² K/W)	Fire Resistance (hours) - Load Bearing	Number Per Pack	m ² Laid Per Pack
100	7.3	S	13.1	145	0.23	2	72	7.29 (3.56)
140	7.3	S	19.3	200	0.33	3	48	4.86 (3.24)

All weights are approximate.

Fire Resistance Figures are national (from BS5628-3 1985) and assume a load bearing, single leaf and unplastered wall.

The m² laid per pack figures are based on a block coordinating size of 450x225mm. Bracketed figure for Solids is for product laid "flat", coordinating size of 450x(thickness+10)mm used for calculations.

The laid weight assumes 3% moisture content and a mortar density of 10.5kg/m³. Bracketed figure for Solids is for product laid "flat".

Technical

Solid units are manufactured to BS EN 771 part3

Hollow units are manufactured to BS EN 771 part3 except for dimensional tolerances

Tolerance Category: Solid units - D1. Hollow – not categorized.

Category: II

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Thermal properties: refer to CIBSE Guide A for Group 1 (solid) units. Group 2 (hollow) can be calculated to BS EN ISO 6946.

Durability: refer to Table 2 BS5628-3

Water Absorption (BS EN 772-11): Not applicable. Units are not intended to be exposed to climatic conditions.

Reaction to Fire: Euroclass A1

Shear Bond Strengths (tabulated): 0.15N/mm²

Safe Handling

CDM Regulations: Please refer to HSE Information Sheet, Construction Sheet No. 37, Handling Building Blocks.

Refer to the tables, above, for products that weigh less than 20kg.

Disclaimer

All information is supplied in good faith and believed to be correct at time of publication. Specifications may change without prior notice due to an ongoing product development program.