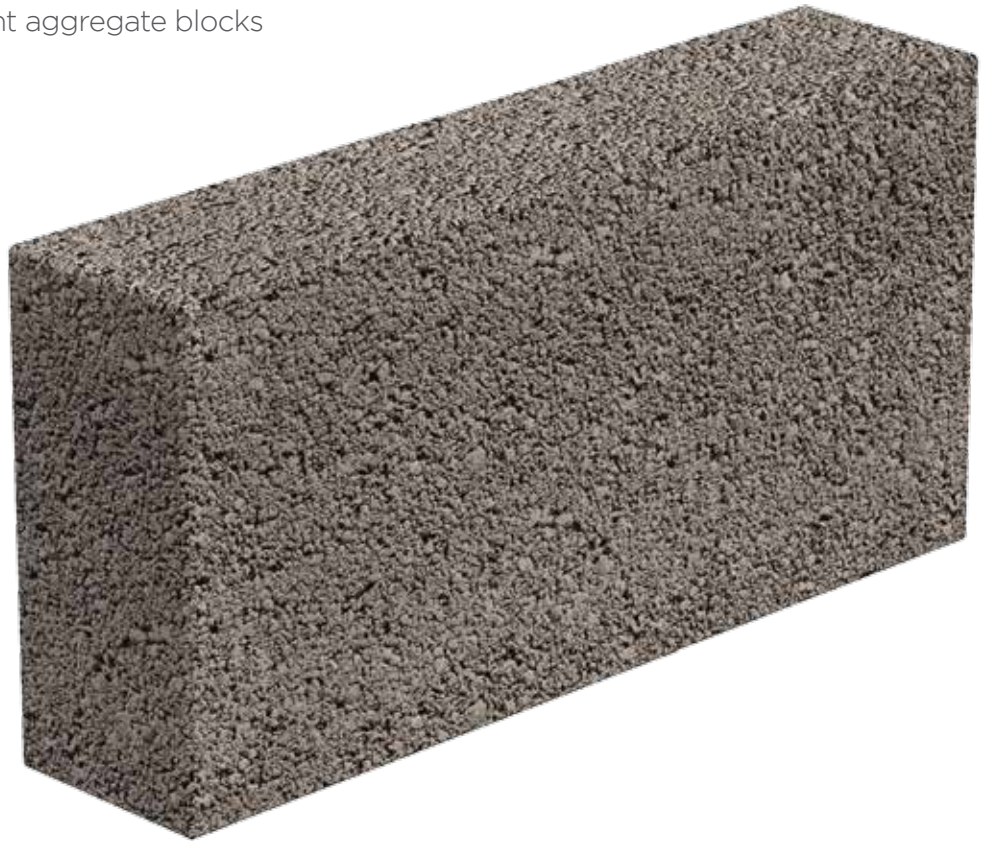


HEMELITE

STANDARD

Highly versatile, lightweight aggregate blocks



HEMELITE

STANDARD

Suitable for a wide range of applications

Highly versatile, lightweight aggregate blocks

HEMELITE is a range of lightweight aggregate blocks available in a variety of formats and suited to a number of loadbearing applications. HEMELITE lightweight aggregate blocks are suitable for use in walls above and below ground and in block and beam floors. They have a proven high level of technical performance.

LOW UNIT WEIGHT

Easy to handle, high strength to weight ratio, lower overall build weight.

THERMAL PERFORMANCE

Good U-values and thermal bridging values can be obtained when using Hemelite in cavity walls.

RANGE OF STRENGTHS

A range of options available for a wide range of specifications.

EASY TO DECORATE

Ideal background for drylining, plaster, rendering and fixings.

SOUND INSULATION

Hemelite can be used in lightweight aggregate Robust Detail separating walls and will easily meet the Building Regulations.

Approved Document E requires that certain internal walls in dwellings meet a performance standard of 40R_w dB. Sound reduction values for single leaf walls are given in the following tables.

FIRE

All Hemelite products conform to a fire rating of Class A1 to BS EN 13501. Typical fire resistance values are shown below and based on the UK National Annex to Eurocode 6 (BS EN 1996-1-2).

TECHNICAL PROPERTIES

PRODUCT	COMPRESSIVE STRENGTH N/mm ² (1)	BLOCK THICKNESS mm	FACE SIZES, mm LENGTH X HEIGHT	THERMAL CONDUCTIVITY λ (W/mK)		DRY DENSITY kg/m ³	SULPHATE SOIL CONDITIONS	MOISTURE MOVEMENT mm/m	COURSING BRICK THICKNESS AVAILABLE mm	BLOCK WIDTH POTENTIALLY >20kg**
				INT	EXT					
HEMELITE STANDARD SOLID	3.6	100, 140	440 x 215	0.57	0.62	1450	DS1	<0.80	100	140
	7.3	100, 140	440 x 215	0.57	0.62	1450	DS1, DS2, DS3	<0.80	100, 140	140
	10.4	100, 140	440 x 215	0.57	0.62	1450	DS1, DS2, DS3	<0.80	100, 140	140

** Blocks can potentially be greater than 20kg if they become saturated.

SIZES AND WEIGHTS

HEMELITE STANDARD (3.6 N/mm ²)		SOLID	
Block Width (mm)	100		140
Unit weight (kg)*	14.1		19.8
Laid weight (kg/m ²)	152		212
HEMELITE STANDARD (7.3 N/mm ²)		SOLID	
Block Width (mm)	100		140
Unit weight (kg)*	14.1		19.8
Laid weight (kg/m ²)	152		212
HEMELITE STANDARD (10.4 N/mm ²)		SOLID	
Block Width (mm)	100		140
Unit weight (kg)*	14.1		19.8
Laid weight (kg/m ²)	152		212

* Weights based on 3% moisture content.

SOUND AND FIRE PROPERTIES

PRODUCT	BLOCK THICKNESS mm	SOUND INSULATION (SINGLE LEAF WALLS), R _w (dB)		FIRE RESISTANCE (HOURS) BS EN 1996:1-2	
		LIGHTWEIGHT PLASTER (BOTH FACES)	DRY LINING (BOTH FACES)	SINGLE LEAF WALL, NO FINISH	
				NON-LOADBEARING	LOADBEARING
HEMELITE STANDARD SOLID	100	46	46	4	2
	140	49	49	4	3

APPLICATIONS

PRODUCT	COMPRESSIVE STRENGTH N/mm ² (1)	CAVITY INNER LEAF	CAVITY EXTERNAL LEAF	SEPARATING (PARTY) WALL	PARTITIONS	BELOW DPC LEVEL	DIRECT RENDER (2 coat traditional)		BEAM & BLOCK FLOORS
							PARTIAL FILL CAVITY	FULL FILL CAVITY	
HEMELITE STANDARD SOLID	3.6	✓	✓	✓	✓	✗ (2)	✓	✓	✗
	7.3	✓	✓	✓	✓	✓	✓	✓	✓
	10.4	✓	✓	✓	✓	✓	✓	✓	✓

(1) Manufactured to Category 2 manufacturing control. (2) Can be used below DPC in inner leaf of cavity wall.

To find out more about our range of BLOCKS and the best solution for your project call **0345 606 2468**
Check out our U-value Calculator www.tarmac.com/u-value-calculator

TARMAC.COM