

EDENLITE LIGHTWEIGHT AGGREGATE BLOCKS

Lightweight aggregate blocks manufactured from a blend of crushed artificial and/or natural aggregates and Portland Cement. These blocks can be used in all parts of the project above and below ground (7N/mm² strength to be used if an outer leaf below dpc and unprotected). Their performance makes them eminently suitable for general load-bearing conditions, good sound insulating qualities, internal partitions and where ease of handling and weight are of importance.

TEXTURE AND COLOUR

Standard Edenlite blocks may be variable in colour and texture, which makes them unsuitable for facing work. Paint grade block, (Edenlite Paintgrade), are produced specifically to give a close texture with reasonable arrises. The units may have variations in colour, which can be masked by secondary surface treatments. A lower density block, Edensuperlite, is produced specifically for applications requiring improved thermal properties. They are a functional block which are intended to accept a secondary finish.

BRITISH STANDARD

Edenlite blocks are manufactured to BS6073:Part 1.

FORM

Produced only in solid form.

TECHNICAL PERFORMANCE

Work Size (mm)	Thickness (mm)	Form	Thermal Resistance (m ² K/W)		Dry Block Weight (kg approx.)	Weight Laid (kg/m ²)	Sound Reduction (dB)	Compressive Strength (N/mm ²)
			Internal	External				
440 x 215	100	Solid	0.175	0.164	13.2	142	42	3.5 / 7.0
440 x 215	140	Solid	0.246	0.229	18.5	200	44.5	3.5 / 7.0
440 x 215	100	Solid	0.322	0.294	8.5	100	40	3.5 / 7.0
440 x 215	140	Solid	0.452	0.412	12.0	135	41	3.5 / 7.0

Thicker section walls can be achieved by laying units flat on bed

CONCRETE DENSITY

Standard Edenlite: 1400 ± 50kg/m³ @ 3% m/c.
Edensuperlite: 900 ± 50kg/m³ @ 3% m/c.

DRYING SHRINKAGE

<0.06%

SOUND REDUCTION

Figures declared relate to a single leaf plastered wall.

FIRE RESISTANCE

Made with Class 1 aggregates.

THERMAL CONDUCTIVITY

Standard Edenlite: 0.57 @ 3% m/c. 0.61 @ 5% m/c.
Edensuperlite: 0.31 @ 3% m/c. 0.34 @ 5% m/c.

PACKAGING

Units are banded and packaged in cubes to minimise damage in transit. Contact the local Sales Office for details (see below).

APPLICATIONS AND BENEFITS

- General building use
- Both leaves of cavity wall
- Texture assists adhesion, making them ideal for plastering
- Interior and exterior load-bearing walls
- Partition walls
- Suitable as infill blocks for beam and block flooring systems (please specify use at order placement).

QUANTITY

To complement the range, lightweight coursing brick units (10N/mm²) are available for use in conjunction with 100mm and 140mm Edenlite blocks.

AVAILABILITY

Blocks are sold on the basis of 10 No. per m² built.

Blocks are currently produced at our Westby, Blackpool works and our Ammanford works in west Wales. Full details of prices and availability can be obtained from the relevant sales office given below.

Note that not all **types** are available from every works.



PD EDENHALL LTD

HEAD OFFICE

Danygraig Works

Danygraig Road

Risca, Newport NP11 6DP

Tel: 01633 612671

Fax: 01633 601280

NORTHERN BLOCK SALES

Blencowe Works, Blencowe, Nr Newbiggin, Stainton, Penrith CA11 0DE

Tel: 01768 483374 Fax: 01768 483127

SOUTHERN BLOCK SALES

Llan Works, Heol Ddu, Tycroes, Ammanford SA18 3SP

Tel: 01269 592911 Fax: 01269 596653