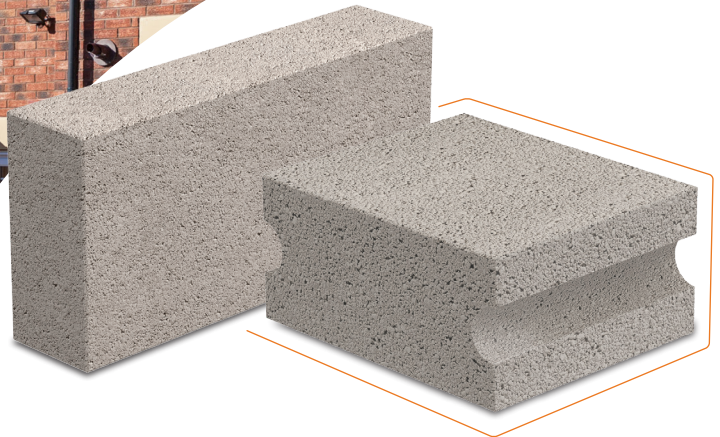


AGGBLOCK Lite

Thermally efficient
lightweight
aggregate
block



AGGBLOCK Lite

Thermally efficient lightweight aggregate block

Suitable for use
in walls above and
below the ground

Our thermally efficient, lightweight aggregate block, *AGGBLOCK* Lite delivers greater thermal efficiencies from aggregate blockwork. They are highly versatile, multipurpose aggregate blocks that serve as a cost-effective alternative to Aircrete blocks. Available in 3.6N and 7.3N making them suitable for a variety of general construction work as well as structural applications including above and below ground and beam and block floors.

LOW UNIT WEIGHT

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

The light weight of *AGGBLOCK* Lite also means more blocks per load, resulting in more environmentally-friendly transportation.

FAST BUILDING BLOCKS

AGGBLOCK Lite blocks are light and easy to handle helping you build faster and safer.

APPLICATIONS

- Walls above and below DPC
- Solid external and internal walls
- Cavity Walls
- Beam & Block Floors (7.3N only)
- Loadbearing walls

THERMAL PERFORMANCE

AGGBLOCK Lite offers a high level of thermal insulation when used in cavity walls contributing to low U-values.

FIRE

All *AGGBLOCK* Lite 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).

PRODUCT	FIRE RESISTANCE (HOURS) BS EN 1996:1-2	
	SINGLE LEAF WALL, NO FINISH	
	NON-LOADBEARING	LOADBEARING
ULTRALITE	4	2

SOUND INSULATION

The Building Regulations Approved Document E requires certain internal walls and floors in dwellings to meet a performance standard of 40Rw dB. Sound reduction values for single leaf walls are given below.

Sound Insulation (Single Leaf Walls) Rw (dB) Lightweight plaster (both faces)	43
Sound Insulation (Single Leaf Walls) Rw (dB) Dry lining (both faces)	43

Highly versatile, alternative lightweight blocks for sustainable and cost-effective construction complying to Approved Document L new homes building standards.



Product properties

Product	Compressive Strength N/mm ² *	Block thickness mm	Face sizes mm Length x Height	Thermal conductivity (W/mK)	Dry density kg/m ³	Sulphate soil conditions	Unit weight kg**	Laid weight kg/m ² **	Number of blocks per pack
<i>AGGBLOCK</i> Lite 3.6N	3.6	100	440x215	0.30	1100	DS1	11.5	114	72
<i>AGGBLOCK</i> Lite 7.3N	7.3	100	440x215	0.30	1100	DS1	11.5	114	72

* Manufactured to category 2 manufacturing control.

** Unit weights quoted above are approximate and include the typical additional weight from the moisture content.

*** Laid weights are given for design purposes are approximate and calculated based on the specified dry density with a moisture content of 3% by weight added to provide equilibrium weights.

Changes to Approved Document L

UK Government have made a commitment to bring all greenhouse gas emissions to net zero by 2050, this means halving energy use in all new builds by 2030. The introduction of a Future Homes Standard (FHS) for new build homes by 2025 is intended to produce homes which are future proofed with high levels of energy efficiency and low carbon heating.

As a steppingstone on the path towards the FHS, and the 75% reduction in CO₂ emissions which it will deliver (over the 2013 regulations), an interim change to Part L has been introduced. Published in December 2021, the latest amended Approved Document came into effect on 15 June 2022 and will require the delivery of:

- a 31% reduction in CO₂ for dwellings
- a 27% reduction for buildings other than dwellings.

Transitional arrangements will now only apply to individual buildings as opposed to the whole site.

For transitional arrangements to apply, developers will need to both:

- submit a building / initial notice or have deposited plans prior to 15 June 2022; and
- commence work on each individual building by 15 June 2023.

Where notices or plans are submitted after 15 June 2022, all homes must be built in line with the new Approved Document L standards.

Where notices or plans are submitted before 15 June 2022 but work on any individual building does not commence by 15 June 2023, the relevant buildings must build in line with the new Approved Document L standards.



What does this mean for walls?

A new target of 0.18W/m²K for external walls is the new target when building in line with the new Approved Document L standards.

Greater thermal insulation performance from blockwork is now more important than ever.

Tarmac are proud to deliver a new Aggregate Block Part L solution



AGGBLOCK Lite

Foundation

AGGBLOCK Lite Foundation are produced specifically for use below DPC



EASY TO HANDLE

Featuring recessed grooves and a low density our AGGBLOCK Lite foundation has been designed to make handling easier and safer.

The light weight properties of AGGBLOCK Lite also means more blocks per load, resulting in more environmentally-friendly transportation.

INCREASED PRODUCTIVITY

Replaces the inner and outer leaf, wall ties and concrete cavity fill associated with traditional methods and halves construction time.

FIRE

AGGBLOCK Lite products conform to a fire rating of Class A1 to BS En 13501.



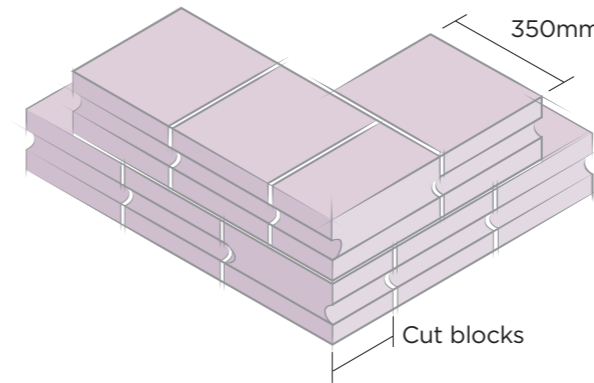
Product properties

Product	Compressive Strength N/mm ² *	Block thickness mm	Face sizes mm Length x Height	Thermal conductivity (W/mK)	Dry density kg/m ³	Sulphate soil conditions	Unit weight kg**	Laid weight kg/m ² **	Number of blocks per m ² of wall	Number of blocks per pack
AGGBLOCK Lite foundation	7.3	275	350x140	0.30	1100	DS1	16.5	320	18.5	48
	7.3	350	275x140	0.30	1100	DS1	16.5	415	23.4	48

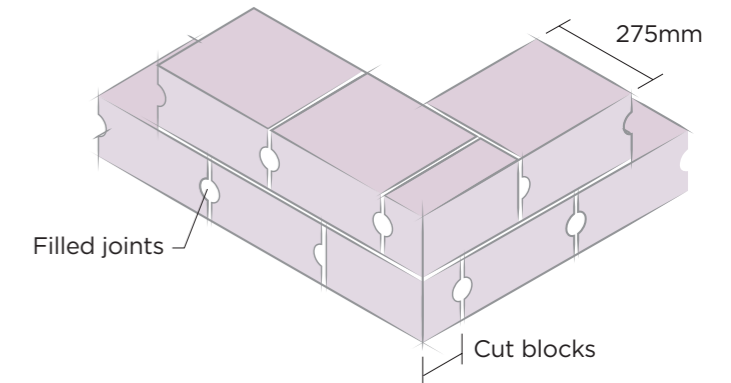
* Manufactured to category 2 manufacturing control.

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Corner bonding of AGGBLOCK Lite Foundation walls (350mm wall)



Corner bonding of AGGBLOCK Lite Foundation walls (275mm wall)

Innovation as standard

Since Tarmac invented the modern road surface in 1902, we have been at the forefront of developing innovative products that help construction professionals deliver outstanding results.

At Tarmac we recognise climate change is driving major changes in standards across the construction sector and the UK housing market. That's why we are committed to leading the development of innovative, high performance building materials that will help the UK build a more sustainable future.

Quality matters

Every product in the blocks range is subject to a comprehensive quality control regime, This ensures that every block you receive performs to the same high standards every time.

Our products are manufactured at facilities that comply to BS EN ISO 9001 (Quality Management Systems), BS EN ISO 12001 (Environmental Management Systems) and BES 6001 for the responsible sourcing of construction products. Our products carry all relevant UKCA mark and carry BBA approval where applicable.



CO₂

Sustainability

As Tarmac we are committed to help our customers build a better and more sustainable future for the UK housing market. To drive our transition to net zero our group has set an ambitious, industry leading target to reduce absolute CO₂ emissions across the construction materials, surfacing and building products businesses by 30% by 2030. Critically, this commitment is based on an absolute CO₂ reduction.

Find out more

To find out more about our range of blocks and the best solution for your project call **0345 606 2468**



[TARMAC.COM](https://www.tarmac.com)

WE STAND TOGETHER TO

REINVENT
THE WAY
OUR WORLD
IS BUILT

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