

AGLITE Ultima®

THE DEFINITIVE HOUSEBUILDER BLOCK

AGLITE Ultima is a range of low density, lightweight load bearing blocks manufactured using a mix of Plasmor's own man-made expanded clay and high quality lightweight aggregates. Available in a range of sizes and strengths, Aglite Ultima complies with all prevailing regulations including Part L, Part E, Robust Details E-WM-12, E-WM-17, E-WM-22, E-FC-4 and the Code for Sustainable Homes. The 100mm block has a one hand lift of 11.5kg so laying rates are faster and safer.

AGLITE Ultima is open textured to accept plaster/render, is plain ended and grey in colour and is the cost effective housebuilder block of choice.

APPLICATIONS

EXTERNAL WALLS - outer & inner leaf

PARTY WALLS

INTERNAL LOADBEARING WALLS

INTERNAL PARTITION WALLS

WALLS BELOW DPC (7.3N only)

INTERNAL WALLS

SUSPENDED FLOORS - Beam & Block



Lightweight Low Density



High Thermal Efficiency



Fire Resistant



Good Sound Insulation



Loadbearing



Accepts Plaster and Paint Without Bonding Coat



Low Shrinkage



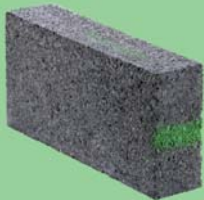
Authority



Easily Cut and Chased



Excellent Fixability



AGLITE Ultima®

LIGHTWEIGHT AGGREGATE BLOCKS

AUTHORITY

Aglite Ultima blocks are manufactured in production facilities to BS EN 771-3, with third party accreditation under BSI as follows:-

BS EN ISO 9001
FM 10847 Certificate Number

BS EN ISO 14001
EMS 536819 Certificate Number

BES 6001
BES 585086 - 'Good' achieved


BS EN 15037 Beam & Block Floors 
CPR 601346

AGLITE ULTIMA PACK SIZES

| | |
|-------|--------------------|
| 75mm | 12.0m ² |
| 90mm | 10.4m ² |
| 100mm | 9.6m ² |
| 140mm | 6.4m ² |
| 190mm | 4.8m ² |
| 215mm | 4.0m ² |

PROPERTIES AND PERFORMANCE


Mean Compressive Strength

 4.2 N/mm² and 7.3 N/mm².
10.4 N/mm² to special order.


Dry Density

 4.2 N & 7.3 N - 1050 Kg/m³.
10.4 N - 1150 Kg/m³.


Thermal Value (at 3% moisture)

 k = 0.31 W/m°C for 4.2 and 7.3 N.
k = 0.36 W/m°C for 10.4 N.
Aglite Ultima is Part L1A compliant*.


Moisture Movement

 Not greater than 0.60mm/m*.

Sound Insulation

 Aglite Ultima complies with Part E and Robust Details E-WM-12, E-WM-17, E-WM-22 and E-FC-4 for walls and floors*.


Fire Resistance

 Aglite Ultima is manufactured from Class 1 Fire Resistant Aggregate as defined in BS 5628 Part 3 and complies with BS EN 1996-1-2005.


Shear Bond Strength

 0.15 N/mm².


Fixability

 Aglite Ultima blocks accept direct nailing and are easy and speedy to drill and plug.

Mortar Designation

 **Class (iii)** for walls ABOVE DPC by volume
Cement : Lime : Sand 1 : 1 : 6
Cement : Sand 1 : 5 to 6
Class (ii) for walls BELOW DPC by volume
Cement : Lime : Sand 1 : ½ : 4
Cement : Sand 1 : 3 to 4

Rendering

 Builders considering the use of proprietary single coat render systems must exercise caution to accurately adhere to the render manufacturers' design and specification guides. Furthermore, during application, strictly adhere to the specific and expansive application instructions, paying particular attention to prevailing weather conditions applied thereto. PLEASE NOTE that traditional rendering applications are not so seasonally and conditionally demanding.















* Consult our technical department for further information.



METRIC SIZES AND TYPES

Work Size 440mm x width x 215mm

Co-ordinating Size 450mm x width x 225mm

| Type | 75mm | 90mm | 100mm | 140mm | 190mm | 215mm |
|-------------------|---|---|---|---|---|---|
| Solid |  |  |  |  |  |  |
| Hollow / Cellular | | |  |  |  |  |
| Reveal (50mm) | | |  | | | |
| Reveal (75mm) | |  |  | | | |
| Flooring Block | | |  | | | |

NOTES: Green shading denotes block weights of LESS THAN 20KG. For high strength blocks check with Divisional Sales Office.

* Grey shading denotes block weights of more than 20kg.

AGLITE Ultima 100mm has a 11.5kg one hand lift capability resulting in faster and safer laying rates.