

# AGLITE<sup>®</sup> Ultima<sup>®</sup>

THE DEFINITIVE HOUSEBUILDER BLOCK

## APPLICATIONS

EXTERNAL WALLS - outer & inner leaf  
INTERNAL LOADBEARING WALLS  
INTERNAL PARTITION WALLS  
PARTY WALLS  
WALLS BELOW DPC (7.3N only)  
INTERNAL WALLS  
SUSPENDED FLOORS - Beam & Block



## 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 CPR 601346  
Beam & Block Floors



**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 strengths, Aglite Ultima complies with all prevailing regulations including Part L, Part E, Robust Details E-WM-12, E-WM-17, E-WM-22 and E-FC-4. 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.



*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 PACK SIZES

100mm	9.6m <sup>2</sup>
140mm	6.4m <sup>2</sup>

Work Size 440mm x width x 215mm  
Co-ordinating Size 450mm x width x 225mm

TYPE	100mm	140mm
<b>Solid</b>		
Strengths available	4.2N 7.3 N 10.4 N	7.3 N 10.4 N

*AGLITE<sup>®</sup> Ultima 100mm has a 11.5kg one hand lift capability resulting in faster and safer laying rates.*



## PROPERTIES & PERFORMANCE



### MEAN COMPRESSIVE STRENGTH

See size table above for strengths available.



### DRY DENSITY

4.2N & 7.3N - 1050 Kg/m<sup>3</sup>.  
10.4N - 1150Kg/m<sup>3</sup>.



### THERMAL VALUE (at 3% moisture)

k = 0.31W/m.K for 4.2 and 7.3 N.  
k = 0.36W/m.K for 10.4 N.  
Aglite Ultima blocks are Part L1A compliant\*.



### MOISTURE MOVEMENT

Not greater than 0.6 mm/m\*.



### SHEER BOND STRENGTH

0.15 N/mm<sup>2</sup>.



### 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.



### 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\*.



### FIXABILITY

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



### MORTAR DESIGNATIONS

**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.

\* Please consult our Technical Department for further information.