

FIBOLITE®

ULTRA LIGHTWEIGHT AGGREGATE BLOCKS

APPLICATIONS

EXTERNAL WALLS - outer & inner leaf
INTERNAL LOADBEARING WALLS
INTERNAL PARTITION WALLS
COLUMN ENCASEMENT
WALLS BELOW DPC



AUTHORITY

Fibolite 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

FIBOLITE is an ultra lightweight load bearing block manufactured from Plasmor's own man-made expanded clay. Expanded clay nodules are produced by sophisticated pyrogenic technology whereby geochemically specific clay is expanded in a rotary kiln at high temperature. The clay nodule is an extremely lightweight granule with a hard vitrified outer shell and an air filled honeycombed inner.

FIBOLITE blocks are extremely lightweight, offer one hand lift laying, as the majority of the blocks in the range comply with the 20kg single lift requirements of the Construction (Design and Management) Regulations. They have excellent thermal efficiency values, provide an ideal key for plaster/render and accept fixings readily and are especially suitable for house building, extensions, repair, maintenance and refurbishment projects.



Ultra Lightweight



High Thermal Efficiency



Low Shrinkage



Fire Resistant



Authority



Quality Assured



Excellent Fixability



Easily Cut and Chased





FIBOLITE PACK SIZES

100mm	9.6m ²
140mm	6.4m ²
190mm	4.8m ²
215mm	4.0m ²

FIBOLITE®

ULTRA LIGHTWEIGHT AGGREGATE BLOCKS

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


TYPE	100mm	140mm	190mm	215mm
Solid				
Strengths available	3.6N 7.3N	3.6N 7.3N	3.6N	7.3N




PROPERTIES & PERFORMANCE

 **MEAN COMPRESSIVE STRENGTH**
See size table above for strengths available.


 **DRY DENSITY**
3.6 N - 850 Kg/m³.
7.3 N - 950 Kg/m³.


 **THERMAL VALUE** (at 3% moisture)
 $k = 0.24W/m.K$ for 3.6 N.
 $k = 0.28W/m.K$ for 7.3 N.
Fibolite blocks are Part L1 compliant*.

 **MOISTURE MOVEMENT**
Not greater than 0.6 mm/m*.

 **SOUND INSULATION**
Fibolite complies with external (flanking) wall requirements for Robust Details E-WM-2, E-WM-4, E-WM-11 and E-WM-21 in conjunction with Plasmor Stranlite in the party wall.

 **FIRE RESISTANCE**
Fibolite is manufactured from Class 1 Fire Resistant Aggregate as defined in BS 5628 Part 3 and complies with BS EN 1996-1-2005.

 **SHEER BOND STRENGTH**
0.15 N/mm².


 **FIXABILITY**
Fibolite 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 : 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.