

# 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 <sup>2</sup>
140mm	6.4m <sup>2</sup>
190mm	4.8m <sup>2</sup>
215mm	4.0m <sup>2</sup>

# 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
<b>Solid</b>				
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/m<sup>3</sup>.  
7.3 N - 950 Kg/m<sup>3</sup>.


 **THERMAL VALUE** (at 3% moisture)  
k = 0.24W/m°C for 3.6 N.  
k = 0.28W/m°C for 7.3 N.  
Fibolite blocks are Part L1A compliant\*.

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

 **SOUND INSULATION**  
Fibolite complies with Part E and Robust Details for floors and walls\*.

 **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/mm<sup>2</sup>.


 **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 : 1/2 : 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.