STRANLITE®

LIGHTWEIGHT AGGREGATE BLOCKS

APPLICATIONS

EXTERNAL WALLS - outer & inner leaf
INTERNAL LOADBEARING WALLS
INTERNAL PARTITION WALLS
PARTY/FLANKING WALLS
WALLS BELOW DPC
SEMI EXPOSED WALLS
SUSPENDED FLOORS - Beam & Block





AUTHORITY

Stranlite 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*	CE

STRANLITE is a range of lightweight aggregate blocks for general purpose use in all types of Housing, Industrial and Commercial building applications.

Manufactured from high quality approved lightweight aggregates, Stranlite is available in an extensive range of strengths and in standard or paint grade finish.

STRANLITE blocks have a granular surface texture and are plain ended and grey in colour. They are robust and durable, Building Regulation compliant and provide excellent fixability.

- *Lightweight*
- *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*

STRANLITE PACK SIZES

75mm	12.0m²
100mm	9.6m²
140mm	6.4m²
190mm	4.8m²

technical helpline: 01977 673221

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

TYPE	75mm	100mm	140mm	190mm
Solid				
Strengths available	7.3N	4.2N 7.3N 10.4N 17.5N 22.5N	7.3N 10.4N 17.5N 22.5N	7.3N
Flooring Block				
Strength available		3.5N		

*NOTES: **Stranlite Flooring Blocks** are designed to withstand a minimum transverse load of 3.5 kN making them ideal for beam and block flooring.*



PROPERTIES & PERFORMANCE

MEAN COMPRESSIVE STRENGTH
See size table above for strengths available.

DRY DENSITY
4.2N & 7.3N - 1350 to 1400 Kg/m³.
10.4 N - 1450Kg/m³.
17.5N & 22.5N - 1600Kg/m³.

THERMAL VALUE (at 3% moisture)
k = 0.41 W/m.K for 4.2 and 7.3 N.
k = 0.43 W/m.K for 10.4 N.
Stranlite blocks are Part L1A compliant*.

MOISTURE MOVEMENT
Not greater than 0.6 mm/m*.

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

FIRE RESISTANCE
Stranlite 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
Stranlite 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.*

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