

STRANLITE®

LIGHTWEIGHT AGGREGATE BLOCKS

STRANLITE is a comprehensive 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 in solid, hollow or cellular units, and available in an extensive range of strengths.

STRANLITE is available in standard or paintgrade finishes.

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.

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



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



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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 Beam &
CPR 601346 Block Floors 

STRANLITE PACK SIZES (Metric)


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, 7.3 N/mm² and 10.4 N/mm².
Higher strengths available on request.


Dry Density

 4.2 N & 7.3 N - 1350 to 1400 Kg/m³.
10.4 N - 1425 to 1450Kg/m³.


Thermal Value (at 3% moisture)

 k = 0.41 W/m°C for 4.2 and 7.3 N.
k = 0.43 W/m°C for 10.4 N.
Stranlite blocks are Part L1A compliant*.


Moisture Movement

 Not greater than 0.60mm/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.


Shear Bond Strength

 0.15 N/mm².


Fixability

 Stranlite 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						

Reveal sizes to suit the width of the cavity.

MODULAR SIZES AND TYPES

Work Size 390mm x width x 190mm

Co-ordinating Size 400mm x width x 200mm

Type	90mm	100mm	140mm	190mm
Solid				
Hollow / Cellular				

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

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.