

STRANLITE Elevate.18[®]

LIGHTWEIGHT AGGREGATE BLOCKS

APPLICATIONS

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



AUTHORITY

Stranlite Elevate.18 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

STRANLITE Elevate.18[®] is a lightweight aggregate block for general purpose use in domestic extensions.

Manufactured from high quality approved lightweight aggregates, **STRANLITE** Elevate.18[®] has a granular surface texture and is plain ended and grey in colour. They are robust and durable, Building Regulation compliant and provide excellent fixability.

Available in 4.2N and 7.3N strengths, **STRANLITE** Elevate.18[®] is the ideal cost effective Part L Extensions solution.



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 Elevate.18[®]
PACK SIZES

100mm 9.6m²

STRANLITE Elevate.18[®]

LIGHTWEIGHT AGGREGATE BLOCKS

Work Size 440mm x 100mm x 215mm
Co-ordinating Size 450mm x 100mm x 225mm


TYPE	100mm
Solid	
Strengths available	4.2N 7.3N




PROPERTIES & PERFORMANCE


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


 **DRY DENSITY**
4.2N & 7.3N - 1300 Kg/m³.

 **THERMAL VALUE** (at 3% moisture)
 $k = 0.39W/m^{\circ}C$ for 4.2N and 7.3N.

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

 **FIRE RESISTANCE**
Stranlite Elevate.18 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 Elevate.18 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 : 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.