

# Elevate®

## Lightweight aggregate blocks

**Elevate®** is a lightweight aggregate block for general purpose use in domestic extensions.

Manufactured from high quality approved lightweight aggregates, **Elevate®** 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  $4.2\text{N/mm}^2$  and  $7.3\text{N/mm}^2$  strengths, **Elevate®** is the ideal cost effective Part L extension solution.



### Applications

- External walls inner leaf
- External walls outer leaf
- Internal loadbearing walls
- Internal partition walls
- Walls below DPC\*



### Key benefits



Lightweight  
low density



Fire  
resistant



Load  
bearing



Authority



Accepts plaster  
without bonding  
coat



High thermal  
efficiency



Good sound  
insulation



Low  
shrinkage




Excellent  
fixability



Easily cut  
and chased

## Technical Specification

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

Type	100mm
<b>Solid</b>	
Strengths available	4.2N/mm <sup>2</sup> 7.3N/mm <sup>2</sup>
Pack sizes	9.6m <sup>2</sup>

## Properties & Performance



### Mean Compressive Strength

See size table above for strengths available.

### Dry Density

4.2N/mm<sup>2</sup> & 7.3N/mm<sup>2</sup> - 1050 Kg/m<sup>3</sup>.

### Thermal Conductivity (at 3% moisture)

k = 0.31W/m.K for 4.2N/mm<sup>2</sup> and 7.3N/mm<sup>2</sup>

### Moisture Movement

Not greater than 0.6 mm/m\*

### Fire Resistance

**Elevate®** is classified as A1

Non-combustible as defined in BS EN 13501-1

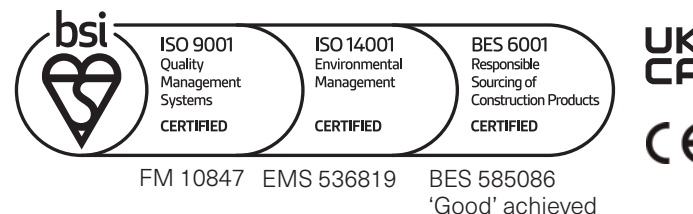
### Shear Bond Strength

0.15 N/mm<sup>2</sup>

\* Please consult our Technical Department for further information.

## Authority

**Elevate®** blocks are manufactured in production facilities to BS EN 771-3, with third party accreditation under BSI as follows:-



### Fixability

**Elevate®** 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.

**Technical helpline: 01977 673221**