

# STRANLITE ACCOUSTA BLOCK®

LIGHTWEIGHT AGGREGATE BLOCKS

**STRANLITE ACCOUSTA BLOCK** is a lightweight load bearing aggregate building block specifically manufactured to reduce the sound that passes through the product. The block is designed to be used in commercial applications laid flat at 215mm wide to reduce sound between compartments, such as a factory to a suite of offices or a lift shaft to apartments.

**STRANLITE ACCOUSTA BLOCK** is manufactured with a unique grading and blend of materials including FBA (Furnace Bottom Ash) and Plasmor's man made Expanded Clay to limit the void spaces within the material matrix whilst keeping the handling of the product within a safe working limit and also delivering a high recycled aggregate content.

The unique quality of the product delivers extremely low air permeability and market leading sound reduction figures.

## APPLICATIONS

*INTERNAL LOADBEARING WALLS*

*INTERNAL PARTITION WALLS*

*SEPARATING WALLS*

*LIFT SHAFTS*



*Lightweight*



*High Thermal Efficiency*



*Fire Resistant*



*Exceptional Sound Insulation*



*Loadbearing*



*Accepts Plaster and Paint Without Bonding Coat*



*Low Shrinkage*



*Authority*



*Easily Cut and Chased*



*Excellent Fixability*

**Excellent  
AIR PERMEABILITY  
Results**  
**<0.36m<sup>3</sup>/h/m<sup>2</sup>**



**56dB**

Market Leading **SOUND  
REDUCTION** Figures



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## AUTHORITY

Stranlite Accousta 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 ACCOUSTA PACK SIZES (Metric)


140mm                      4.3m<sup>2</sup>  
64 blocks per pack

## PROPERTIES AND PERFORMANCE


### Mean Compressive Strength

 10.4 N/mm<sup>2</sup>.


### Dry Density

 10.4 N - 1425 to 1450Kg/m<sup>3</sup>.


### Thermal Value (at 3% moisture)

 k = 0.43W/m°C for 10.4 N.  
Stranlite Accousta blocks are Part L1A compliant\*.

### Moisture Movement

 Not greater than 0.60mm/m\*.


### Fire Resistance

 Stranlite Accousta blocks are manufactured from Class 1 Fire Resistant Aggregate as defined in BS 5628 Part 3 and comply with BS EN 1996-1-2005.


### Shear Bond Strength

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

### Fixability

 Stranlite Accousta 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 : 1/2 : 4
Cement : Sand	1 : 3 to 4

### Air Permeability

STRANLITE ACCOUSTA BLOCK	Finish	Leakage Rate at 50PA
LAID FLAT (wall thickness 215mm)	Bare	<b>3.78m<sup>3</sup>/h/m<sup>2</sup></b>
	Painted	<b>&lt;0.36m<sup>3</sup>/h/m<sup>2</sup></b>



\* Consult our technical department for further information.

## METRIC SIZES AND TYPES

440mm x 140mm x 215mm

Type                      140mm

Accousta Block



215mm Stranlite ACCOUSTA Block Wall

**53dB (-1;-4)**

140mm  
440mm  
215mm

215mm Stranlite ACCOUSTA Block Wall

8mm 1:1:6 Cement/Lime/Sand Scratch Coat, both sides  
12.5mm standard Plasterboard on dabs, both sides

**47dB (-0;-1)**

## ACOUSTIC PERFORMANCE

215mm Stranlite ACCOUSTA Block Wall

8mm 1:1:6 Cement/Lime/Sand Scratch Coat, both sides

**55dB (-2;-5)**

or PLUS 5mm Lightweight plaster finish, both sides

**56dB (-2;-5)**