

# STRANLITE ACCOUSTA BLOCK®

LIGHTWEIGHT AGGREGATE BLOCKS

## APPLICATIONS

- INTERNAL LOADBEARING WALLS
- INTERNAL PARTITION WALLS
- SEPARATING WALLS
- LIFT SHAFTS



**56dB**  
Market Leading **SOUND**  
**REDUCTION** Figures

## AUTHORITY

Stranlite Accousta blocks are manufactured to comply with BS EN 771-3. Production facilities accredited (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 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 habitable areas.

**STRANLITE ACCOUSTA BLOCK** is manufactured with a unique grading and blend of materials including 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.

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



*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*

## STRANLITE ACCOUSTA PACK SIZES


140mm 4.3m<sup>2</sup>

64 blocks per pack

# STRANLITE ACCOUSTA BLOCK®

LIGHTWEIGHT AGGREGATE BLOCKS

Work Size 440mm x 140mm x 215mm

TYPE	140mm
<b>Accousta Block</b>	
Strengths available	10.4N



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

## ACOUSTIC PERFORMANCE

215mm Stranlite ACCOUSTA Block Wall

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



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)**



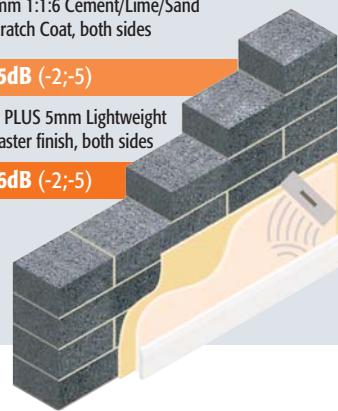
215mm Stranlite ACCOUSTA Block Wall

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)**



## PROPERTIES & PERFORMANCE

### MEAN COMPRESSIVE STRENGTH

10.4N.

### DRY DENSITY

1450Kg/m<sup>3</sup>.

### THERMAL VALUE (at 3% moisture)

k = 0.43 W/m°C.

Stranlite Accousta blocks are Part L1A compliant\*.

### MOISTURE MOVEMENT

Not greater than 0.6 mm/m\*.

### FIRE RESISTANCE

Stranlite Accousta blocks are 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/mm<sup>2</sup>.

### FIXABILITY

Stranlite Accousta 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

### 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>

\* Please consult our Technical Department for further information.