

# FOUNDATION BLOCKS

LIGHTWEIGHT AGGREGATE BLOCKS

The **STRANLITE FOUNDATION BLOCK** is a lightweight aggregate loadbearing block suitable for use below dpc. **FOUNDATION BLOCKS** are manufactured from selected aggregates including graded Furnace Bottom Ash and Pulverised Fuel Ash.

**STRANLITE FOUNDATION BLOCKS** provide an efficient, simple and cost effective method of foundation construction below dpc where faster building rates can be achieved with reduced labour and mortar costs compared with traditional foundation construction.

**STRANLITE FOUNDATION BLOCKS** have a single unit weight of well below 20kg and comply with The Construction (Design & Management) Regulations for single unit repetitive lifting.



*Lightweight*



*Fire Resistant*



*Loadbearing*



*Authority*



*Sulphate Resistant*



*Low Shrinkage*

## APPLICATIONS

*BELOW DPC*



# FOUNDATION BLOCKS

## LIGHTWEIGHT AGGREGATE BLOCKS

### AUTHORITY

Stranlite Foundation 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 FOUNDATION BLOCKS PACK SIZES

300mm x 275mm x 140mm 72 blocks  
300mm x 250mm x 140mm 72 blocks\*


\*Pack size may vary between divisions

### PROPERTIES AND PERFORMANCE


#### Strength

 7.3 N/mm<sup>2</sup>.  
10.4 N/mm<sup>2</sup> available to order.


#### Dry Density

 1400 Kg/m<sup>3</sup>.


#### Moisture Movement

 Not greater than 0.60mm/m.  
Consult our technical department for further information.

#### Sulphate Resistance

 Class 1 - standard.  
Class 2 & 3 - available.


#### Fire Resistance

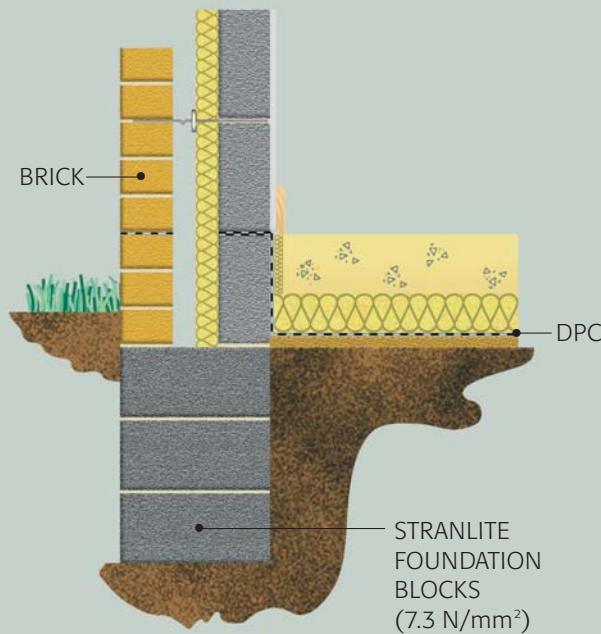
 Stranlite Foundation Blocks are manufactured from Class 1 Fire Resistant Aggregate as defined in BS 5628 Part 3 and complies with BS EN 1996-1-2005.

#### Shear Bond Strength

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



#### Mortar Designation

 **Class (ii)** for walls BELOW DPC by volume  
Cement : Lime : Sand 1 : 1/2 : 4  
Cement : Sand 1 : 3 to 4



### METRIC SIZES AND TYPES

300mm x 250mm or 275mm x 140mm

Type	250mm	Number of blocks per m <sup>2</sup>		
		300mm wide	275mm wide	250mm wide
Foundation		25.6	-	21.5
		23.4	21.5	-

NOTE: Green shading denotes block weights of LESS THAN 20KG.