

# STRANLITE SYNERG-ECO PAINT GRADE

Combines recycling, strength and sustainability

Stranlite® Synerg.Eco Paint Grade is a lightweight aggregate load bearing block suitable for locations where a close textured face is required for direct painting to give an attractive smooth and low maintenance finish.

Manufactured from 100% recycled or reclaimed aggregates, Stranlite® Synerg.Eco Paint Grade satisfies sustainability and environmental credentials where specified, whilst complying with thermal and acoustic building regulations and is ideal for use in industrial, commercial and public sector building applications.

Stranlite® Synerg.Eco Paint Grade blocks are grey in colour, plain ended, available as 100mm and 140mm solid, finely textured blocks.



## Applications

- External walls - outer & inner leaf
- Internal loadbearing walls
- Internal partition walls
- Semi-exposed walls



## EPD

(A1 - A3) (A1 - C4)  
RATING OF RATING OF  
8.27kgCO<sub>2</sub>e 12.9kgCO<sub>2</sub>e

FOR 100MM BLOCKS

## Key benefits



Lightweight  
low density



Fire  
resistant



Load  
Bearing



Authority



Accepts paint  
without  
bonding coat



High thermal  
efficiency



Low  
shrinkage



Excellent  
fixability



Easily cut  
and chased



Good sound  
insulation



## Properties & Performance

### Mean Compressive Strength

7.3 N/mm<sup>2</sup>

### Thermal Conductivity (at 3% moisture)

k = 0.41W/m.K for 7.3N/mm<sup>2</sup>

**Stranlite® Synerg.Eco Paint Grade** blocks are Part L compliant\*

### Sound Insulation

**Stranlite® Synerg.Eco Paint Grade** blocks comply with Part E and Robust Details for floors and walls\*

### Shear Bond Strength

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

### Dry Density

1400kg/m<sup>3</sup>

### Moisture Movement

Not greater than 0.6mm/m\*

### Fire Resistance

**Stranlite® Synerg.Eco Paint Grade** is A1 Non-combustible classification as defined in BS EN 13501-1

### Fixability

**Stranlite® Synerg.Eco Paint Grade** 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

## Technical Specification

Work Size 440mm x 100mm x 215mm

440mm x 140mm x 215mm

Type	100mm	Type	140mm
<b>Paint Grade Synerg.Eco® Block</b>		<b>Paint Grade Synerg.Eco® Block</b>	
Strengths available	7.3N/mm <sup>2</sup>	Strengths available	7.3N/mm <sup>2</sup>
Pack sizes	9.6m <sup>2</sup>	Pack sizes	6.4m <sup>2</sup>

1 working Paint Grade face and end

## Environmental Performance Declaration (EPD)

In accordance with EN 15804+A2 & ISO 14025/ ISO 21930

Published EPD can be found online at [www.epdhub.com](http://www.epdhub.com)

**100mm thickness blocks - rating per 1m<sup>2</sup> of product**

**A1 - A3 Cradle to Gate rating of 8.27kgCO<sub>2</sub>e**

**A1 - C4 Product to End of Life stage rating of 12.9 kgCO<sub>2</sub>e**

## Attributes of EPD

- Transport to site within 25km of Plasmor Bow (E3 2TB)
- Installation includes walling with 7% generic mortar
- 80% of blocks are recycled at End of Life stage within a 25km radius of the project

### Authority

**Stranlite® Synerg.Eco Paint Grade** blocks are manufactured to comply with BS EN 771-3. Production facilities accredited (under BSI) as follows:-

