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



EPD

(A1 - A3) (A1 - C4) RATING OF RATING OF $8.27 \text{kgCO}_2\text{e}$ 12.9kgCO₂e



Applications

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



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/mm²

Thermal Value (at 3% moisture)

 $k = 0.41W/m^2K$ for $7.3N/mm^2$

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*

Sheer Bond Strength

0.15N/mm²

Dry Density

1400kg/m³

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

Туре	100mm	Туре	140mm
Paint Grade Synerg.Eco® Block		Paint Grade Synerg.Eco® Block	
Strengths available	7.3N/mm ²	Strengths available	7.3N/mm ²
Pack sizes	9.6m ²	Pack sizes	6.4m ²

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

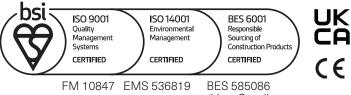
100mm thickness blocks - rating per 1m² of product
A1 - A3 Cradle to Gate rating of 8.27kgCO₂e
A1 - C4 Product to End of Life stage rating of 12.9 kgCO₂e

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.EcoPaintGradeblocksaremanufacturedtocomplywithBSEN771-3.Productionfacilities accredited (under BSI) as follows:-



FM 10847 EMS 536819 BES 585086 'Very Good' achieved

