

Combines recycling, strength and sustainability

Stranlite[®] Synerg.Eco is a general purpose building applications block with in house building and commercial construction.

Manufactured from 100% recycled or reclaimed **Stranlite**® Synerg.Eco satisfies aggregates, sustainability and environmental credentials where specified, whilst complying with thermal and acoustic Building Regulations.

Stranlite[®] Synerg.Eco is available in 100mm and 140mm solid blocks in standard or paintgrade finish. They are plain ended, grey in colour and are robust and durable and provide excellent fixability.



RATING OF **RATING OF** 5.9kgCO₂e 10.5kgCO₂e

FOR 100MM BLOCKS



Lightweight low density

smor

Fire resistant



Key benefits

Bearing



Accepts plaster





Excellent fixability











Applications

- External walls - outer & inner leaf
- Internal loadbearing walls
- Internal partition walls
- Party/flanking walls
- Walls below DPC
- Semi-exposed walls
- Suspended floors - beam & block



Properties & Performance

Mean Compressive Strength 7.3 N/mm²

Thermal Conductivity (at 3% moisture) k = 0.41W/m.K for 7.3N/mm² Stranlite®Synerg.Eco blocks are Part L compliant*.

Sound Insulation

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

Sheer Bond Strength 0.15 N/mm²

Dry Density

1400 Kg/m³

Moisture Movement

Not greater than 0.6 mm/m*.

Fire Resistance

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

Fixability

Stranlite®Synerg.Eco blocks accept direct nailing and are easy and speedy to drill and plug.

Mortar Designations

Cement : Lime : Sand	1:1:6
Cement: Sand	1 : 5 to 6
Class (ii) for walls below dpc by volume	
Cement : Lime : Sand	1:1/2:6
Cement : Sand	1 : 3 to 4

Rendering

Builders considering the use of proprietary single coat render systems must exercise caution to accurately adhere to the render manufacturers' design and specification guides. Furthermore, during application, strictly adhere to the specific and expansive application instructions, paying particular attention to prevailing weather conditions applied thereto. Please note that traditional rendering applications are not so seasonally and conditionally demanding.

Technical Specification

Work Size 440mm x 100mm x 215mm 440mm x 140mm x 215mm Туре 100mm Туре 140mm Stranlite[®] Stranlite[®] Synerg.Eco Synerg.Eco Block Block Strengths Strengths

7.3N/mm²

6.4m²

Environmental Performance Declaration (EPD)

available

Pack sizes

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 5.9kgCO₂e

7.3N/mm²

9.6m²

A1 - C4 Product to End of Life stage rating of 10.5 kgCO₂e

Attributes of EPD

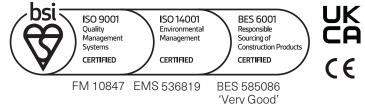
- Transport to site within 25km of Plasmor Bow (E3 2TB)
- Installation includes walling with 7% generic mortar
- 80% of blocks are recycled at End of Life stage within a 25km radius of the project.

Authority

available

Pack sizes

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



achieved

Technical helpline: 01977 673221

2