

STRANLITE SYNERG·ECO PAINT GRADE

Combines recycling, strength and sustainability

EPD
(A1 - A3) (A1 - C4)
RATING OF RATING OF
8.27kgCO₂e 12.9kgCO₂e
FOR 100MM BLOCKS

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



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/mm²

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/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

Type	100mm	Type	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 8.27kgCO_{2e}

A1 - C4 Product to End of Life stage rating of 12.9 kgCO_{2e}

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:-

