

Elite Split product information



Simple split finish and subtly blended shades which faithfully reproduce the traditional dressed appearance of natural rustic stone and sandstone masonry.

- Perfect for adding value and visual appeal to any commercial or domestic build
- Outstanding aesthetic appearance that blends well in traditional natural stone areas
- Perfect alternative to facing brick for specifiers seeking a more distinctive masonry appearance
- Hand dressed finish reproducing traditional stone rock face characteristics
- Most economic alternative to natural stone
- 25 N/mm² compressive strength; suitable for most building and civil engineering structural purposes
- Excellent 'whole life' performance with proven long-term durability
- Minimal maintenance and high density

Applications

External and internal walls, faced retaining walls, extensions, bridges and flood defence.

Manufacturing standard

The Fyfestone range is manufactured using a hydraulically wet pressed process guaranteeing a high quality product of low porosity and low drying shrinkage allied to high density and strength. The Fyfestone range is compliant to European Standard BS EN 771-5.

All Aggregate Industries' products are manufactured in accordance with ISO 9001 with factory compliance to ISO 14001.

Complementary products

A range of specials are manufactured to match and/or complement textures and shades of the products produced in the standard range.



Colour swatches



- | | | |
|-----------|-----------------|----------------------|
| 1. Rust | 5. Charcoal | 9. Grey Pearl |
| 2. Mink | 6. Sepia | 10. Slate |
| 3. Sienna | 7. Balmoral Red | 11. Cotterstone Grey |
| 4. Amber | 8. Ochre | 12. Cotterstone Buff |

Elite Split walling

Length (mm)	440	440	440	290	290	290
Width (mm)	90	90	90	90	90	90
Height (mm)	65	140	215	215	65	140
Weight (kg)	5.9	12.8	19.8	12.8	3.8	8.2
Units/m ² (approx)	29.6	14.8	9.9	14.3	44.0	22.2
No. per pack	160	80	48	72	240	120
M ² /pack (approx)	5.33	5.33	4.8	4.8	5.4	5.4
Pack weight (T)	0.95	1.02	0.95	0.96	0.91	0.98
Colour available	All	All	All	All	All	All

All dimensions are nominal to include allowance for 10mm joint.
All block 90mm on bed. 100mm units only available to special order.
Other bed thicknesses are available upon request.

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Performance

Dimensional tolerance	
Category	D1
Mean unit strength:	25.0 N/mm ²
Net dry density:	2250 kg/m ³
Thermal conductivity:	
Internal	1.67 W/mK
External	1.79 W/mK
Based on tabulated values from BS EN 1745	
Water vapour diffusion coefficient:	
All strengths	50/150
Moisture movement:	<0.5mm/m
Water absorption by capillarity:	
All strengths	<50g/m ² .s ^{0.5}
Reaction to fire:	
Classification to EN 13501-1	A1
Durability:	Frost resistant
Bond strength:	0.15N/mm ²

Table 1 - Thermal resistance

Width (mm)	Density	Thermal resistance (m ² K/W)	
		3%	5%
90	Solid	0.072	0.067
100	Solid	0.080	0.075
140	Solid	0.112	0.104

Table 2 - Unit weights

Width (mm)	Face size	Form	Unit weight* (kg)	Built weight (kg/m ²)
90	440x215	Solid	19.8	203-229
90	440x140	Solid	12.8	200-229
90	440x65	Solid	5.9	200-223
90	290x215	Solid	13.3	203-228
90	220x65	Solid	n/a	200
90	290x140	Solid	8.2	167.2
90	290x65	Solid	3.8	182.04

Based upon 5% moisture content by volume.

Table 3 - Fire resistance (hours)

Width (mm)	Form	Load bearing	Non load bearing
90	Solid	1	1.5
100	Solid	2	2
140	Solid	2	3

Table 4 - Sound insulation*

Width (mm)	Form	Rw dB
90	Solid	42
100	Solid	43
140	Solid	45

*Based upon mass law calculation

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Sustainability and local sourcing

Energy use: Aggregate Industries is at the forefront of sustainability and has committed to reduce carbon emissions by 20% by 2012 based on a base line.

Recyclable: 100% of the product can be recycled thus reducing the amount of material that is sent to landfill.

Manufacturing location: Produced in the UK, with locally sourced materials under strict environmental and social legislation, for local supply.

Responsible sourcing: Aggregate Industries is the first company in the world to achieve a BES 6001:2008 Responsible Sourcing Certificate from BRE Global. Products are assessed on:

- quality management
- environmental management
- health and safety management
- greenhouse gas emissions
- minimising raw material usage
- labour practice
- biodiversity
- community engagement.

Key aggregates and recycled content

Fyfestone walling range is manufactured utilising high quality aggregates, ordinary Portland cement and synthetic iron oxide pigments.

Generic green guide rating

There is currently no generic rating in the BRE Green Guide for split architectural masonry blocks.

Policies

Aggregate Industries' policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website www.aggregate.com

Installation standard

CIS 37, recommends that for repetitive manual handling of masonry units, the unit weight should typically be no greater than 20kg. Fyfestone produce blocks within the range that satisfy this requirement.

Maintenance and cleaning

Aggregate Industries can supply on request advice on general maintenance. Aggregate Industries also offer an anti-graffiti coating service which will protect solid, absorbent and painted surfaces against graffiti attack and other contamination. It is perfect for concrete and brickwork. All enquiries are to be put through our sales office who have contact details and brochure information on the service.

COSHH data

Full COSHH data on Fyfestone is available on request. Please call the technical helpline on 01285 646808.

Technical support

Detailed guidance and assistance with the preparation of specification and use of Fyfestone products is available through the sales office. A free technical design service is also available.

For further information, please refer to Fyfestone technical services on 01285 646808.

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