

Colinwell Paint Grade Block

[Standards & Specifications]



Colinwell Paint Grade Block is an economical, fire and noise resistant walling unit with a load bearing capacity. It is ideal for use on external or internal leaves of a cavity construction, for partition walls or as a back up curtain walling on buildings from domestic to industrial, commercial and even elements of prestige projects.



Composition & Quality

Colinwell Paint Block is manufactured from a carefully controlled mixture of aggregates and cement in accordance with BS EN 771-3, and meets the statutory requirements of the relevant sections of The Buildings Regulations.

Coverage

450 x 225mm range: 9.88 blocks per m²
400 x 200mm range: 12.5 blocks per m²

Compressive Strength

Standard strength for Colinwell Paint Grade Block is 10.5N/mm². Other strengths available on request.

Appearance

The method of manufacture provides for dimensionally accurate units with sharp clean arrises and low moisture absorption.

The sizes of aggregates selected for the production of the blocks provides a texture that is particularly suitable for painting.

As the blocks are a stock item consistency of colour cannot be guaranteed.

Colour consistency can only be assured if the blocks are ordered to be manufactured in one production batch.



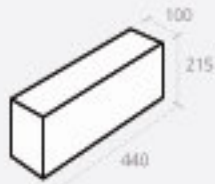
Paint Grade Block

[Standards & Specifications]



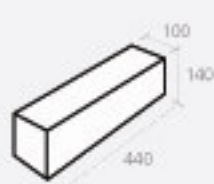
Standard Metric - 450 x 225mm Range

A1



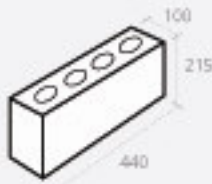
20kg

A11



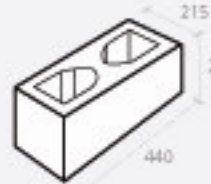
14kg

A2



17kg

A3



25kg

A7



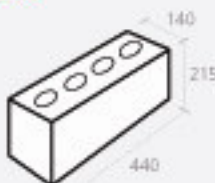
9.5kg

A4



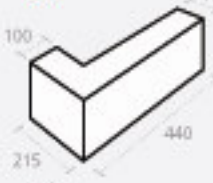
12kg

A6



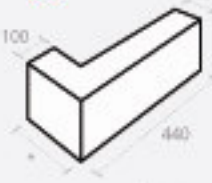
20kg

D1



25kg

D2

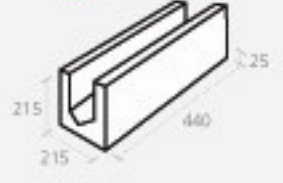


*Cut to suit cavity width

D4

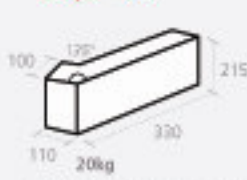


B8



24kg

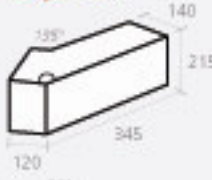
SQ5 45°



20kg

100mm thick Squints are also available in 60° (1.20°) and 30° (1.50°) options

SQ8 45°



28kg

A10



13.5kg

P2



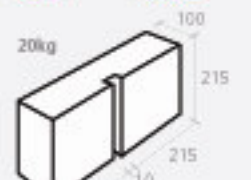
18kg

E1



31kg

S44

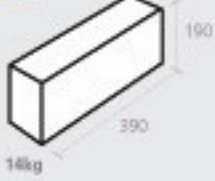


20kg

Scored Face

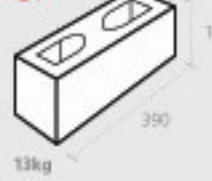
Modular Metric - 400 x 200mm Range

C1



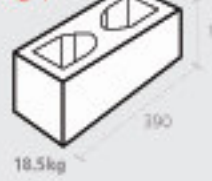
14kg

C7



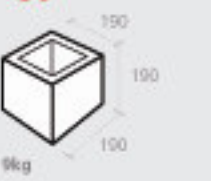
13kg

C4



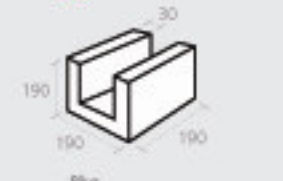
18.5kg

C6



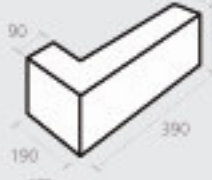
9kg

L3



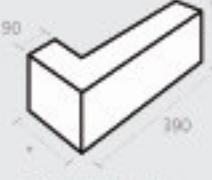
8kg

B1



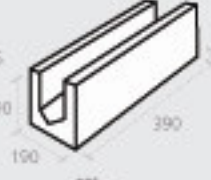
17kg

B2



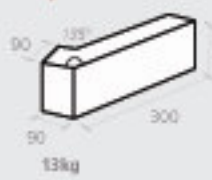
*Cut to suit cavity width

B6



18kg

SQ1 45°



13kg



How to specify

NBS Model Specification, F10 Block Walling 255
Concrete Facing Blockwork

The Paint Grade blocks for *(project name and location)*

Manufacturer of Colinwell Architectural Masonry: Colinwell
Concrete Ltd, 37 Colinglen Road, Dunmurry, Belfast, BT17 0LP,
Tel: 028 9061 8155 Email: info@colinwell.com

Paint Grade blocks shall comply with BS EN 771-3 and BS
5628-1 and have a mean compressive strength of 10.5N/mm².

Average K value shall be 1.25W/m²°C

Density shall be 2100kg/m³

Size is to be: *indicate 440mm x width (from options
listed below) x 215mm standard metric or 390mm x
width x 190mm modular metric*

*(insert one of the following in widths 90mm, 95mm,
100mm, 140mm, 190mm, 215mm)*

Type of unit to be: *(solid, cellular or hollow)*

Specials required: *(indicate from specials selector section)*

Mortar mix: *(e.g. 1:1:6)*

Joint: *(e.g. bucket handle / pole)*

Density & Thermal Conductivity

Average Density: 2100Kg/m³. Allowing a moisture content of 5% externally and 3% internally; the k value for Colinwell Masonry on each leaf of a cavity wall would be 1.35W/m²°C and 1.25W/m²°C respectively.

Air Permeability

The latest amendments to Part L (Conservation of Fuel and Power) of the Building Regulations include a limit on Air Permeability.

Colinwell Paint Grade Blocks, when used to construct the internal leaf of the cavity wall of a building, add significantly to the overall air tightness of the building. This improves the thermal efficiency of the building and ultimately contributes to minimising energy use.

Colinwell Paint Grade Blocks have been tested independently by BISRA for Air Leakage and return excellent results. Please contact our Technical Department for copies of these certificates, if required.

