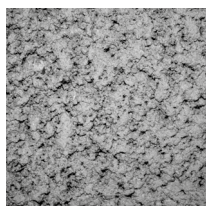


QUINN QUARRIES

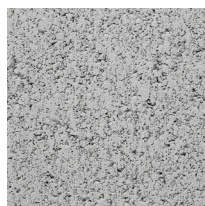
DENSE AGGREGATE CONCRETE BLOCKS - SOLIDS

Quinn Building Products manufacture quality dense concrete blocks for the construction industry. Using our own high quality aggregates conforming to BS EN 12620 - Aggregates for concrete, the blocks are a cost effective and durable product suitable for a wide range of applications. The blocks are produced at our manufacturing facility in Derrylin, Co. Fermanagh, Northern Ireland and are Category 1 masonry units in accordance with BS EN 771-3 - Specification for aggregate concrete masonry units.

Finish / Texture



Standard



Paint Grade

Applications

- Walls - Rendered & Paint Grade
- Columns
- Partitions
- Separating Party Walls
- Foundation

Product Type

- Regular shaped solid masonry unit
- Category 1 masonry unit in accordance with EN 771-3

Certifications

- EC certificate of Factory Production Control - 0086-CPD-597548



Memberships

- British Precast



Fire Resistance

Quinn Concrete blocks provide excellent fire protection in both load bearing and non load bearing applications. They are classed as non combustible and have a Class 0 resistance to surface spread of flame and category A1 in accordance with BS EN 13501-1. Block thicknesses required for fire resistance periods are shown in the table below.

	6 Hours	4 Hours	3 Hours	2 Hours	90 Mins	60 Mins
Load bearing single leaf wall	215mm	180mm	140mm	100mm	100mm	90mm
Non-load bearing single leaf wall	150mm	100mm	75mm	63mm	63mm	50mm
Load bearing cavity wall	150mm	150mm	140mm	100mm	100mm	90mm
Non-load bearing cavity wall	90mm	75mm	75mm	63mm	63mm	50mm

Physical Properties

Face Size	440 x 215 mm
Dimensional Tolerance	D1
Gross Dry Density	1800-2100 Kg/m ³
Mean Compressive Strength	7.5 and 10.4 N/mm ²
Manufacturing Category	1
Thermal Conductivity	1.13 W/mK (inner leaf protected) 1.33 W/mK (outer leaf exposed)
Moisture Movement	<0.6mm/m
Fire Resistance	Class A1
Configuration	Group 1 - Solid

Packaging

Block Thickness (mm) Note 1	Thermal Resistance (m2K/W)	No. blocks per pack/ bale Note 1	Wall area per pack (m2) Note 2	Approx. block weight dry (Kg)	Approx. wt. of wall per m2 (Kg)
100	0.088 (inner)	90	9.11	18.5	190
	0.075 (outer)				
140	0.12 (inner)	60	6.075	25.5	265
	0.10 (outer)				

NOTES

Note 1: smaller pack sizes may be available on request

Note 2: Wall area allows for 10mm conventional mortar joints

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Coursing Units

Coursing units are available in the following:

Length (mm)	Width (mm)	Height (mm)	Unit Weight dry (Kg)	No. Units per pack/ bale	Approx wt. per pack (Tons)
215	100	65	2.7	520	1.4
440	100	100	8.5	180	1.5
440	140	100	12	126	1.5

Acoustics

Solid dense blocks are suitable for use in separating party walls between dwellings and in partitions. Suitability and compliance with Building Regulation Part E in England, Wales and ROI, Part G in N. Ireland and the Technical Guidance Document on Noise in Scotland is achieved when following the guidance detailed in these documents.

Delivery and Site Handling

Blocks may be delivered in a number of ways to suit customer requirements. Blocks will be banded in green strapping but may also be palletised, shrink wrapped etc, for offloading by lorry mounted crane or by fork lift. Off-loaded units should be stacked carefully on a prepared, clean, level, firm area to minimise or prevent damage occurring.

Good site planning for deliveries will reduce the or avoid double handling. Blocks should be protected from adverse weather conditions and health and safety regulations should be adhered to at all times when handling blocks.

Blocks should not be laid when the temperature is at or below 3°C and falling or unless it is least 1°C and rising.

Mortars

The type of mortar required will depend upon the application taking into consideration structural requirements, position in the building and exposure. Designation iii mortars are suitable for most applications. Mix proportions for both designation ii and iii are shown below. Always ensure that the surface of the block is clean from dirt and debris before applying a mortar layer.

Designation		Recommended Mix Proportions	
Above DPC	iii	1 : 1 : 5 to 6	Cement : Lime : Sand
		1 : 5 to 6	Cement : Sand
Below DPC	ii	1 : 0.5 : 4 to 4.5	Cement : Lime : Sand
		1 : 3 to 4	Cement : Sand

Below Ground Level

The blocks are suitable for use in soil conditions up to and including sulphate class DS-3 as defined in BRE Special Digest 1. Where unusual soil conditions exist, expert advice should be obtained.

Foundation blocks available on request

Dimensions (mm) 440x100x300

Pack size - 54 units