

Masonry Blocks



If you are required to split a pack of blocks (even those which weigh 20kg or less) you will need to establish a safe system of handling.

Normal stocking blocks are 440 x 215mm face size with the following widths:-

Width (mm)	Dense blocks (kg) approx	Lightweight blocks (kg) approx	Ultra lightweight blocks (kg) approx	Aircrete blocks (kg) approx
75	14	9.5	6.5	5
100	18.5	13.5	8.5	6.5 - 9
140	26	19	12	8.5 - 13
190	35	26	16	12 - 18
215	40	29	18.5	13.5 - 20
100 (Cellular)	15	N/A	N/A	N/A
140 (Cellular)	19	N/A	N/A	N/A
140 (Hollow)	22	N/A	N/A	N/A
215 (Hollow)	26	N/A	N/A	N/A

Masonry blocks are a common component of many buildings. These blocks are produced in a range of shapes, sizes and densities which influence their performance (acoustic, thermal and compressive strength) as well as their weight.

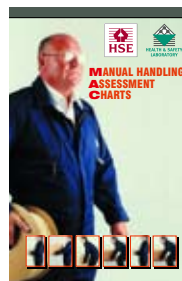
Extreme care should be taken when handling blocks. Mechanical handling of heavy blocks should be standard practice, Repetitive manual handling of blocks heavier than 20 kg can give rise to both acute and chronic injuries including serious musculoskeletal disorders (MSDs) such as bad backs. Two person lifting should not normally be considered as a method for repeat laying of units greater than 20kg as experience on site has proved this method unworkable.

The Manual Handling Operations Regulations 1992 require employers to assess the risk to their staff if a manual handling operation liable to cause injury is to be carried out.

Individual blocks do not have their weight marked on them, but most blocks sizes weigh approximately as shown in the table above:

Point out the risks

Offering an all round service to your customer is one of your strengths in ensuring that you retain their business. Point out the risks involved in lifting heavy objects, even better why not suggest they contact the HSE website and download a copy of their Manual Handling Assessment Charts from www.hse.gov.uk/pubns/indg383.pdf.



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Types of Blocks:

Masonry Blocks

Produced as solid, hollow or cellular units

- Versatile, durable and strong
- Fire resistant
- Solution for “thermal” and “sound” regulations
- Have thermal mass which acts as a heat store
- Moisture, mould and rot resistant
- Recyclable
- Ideal background for drylining, plastering, rendering and fixings

Aircrete Blocks

Aircrete blocks are a versatile block offering beneficial light weight as well as workability and environmental advantages. Due to their light product weight they are available in larger format sizes which can also be used with Thin-Joint Systems.

Applications: Internal and external leaves of cavity walls

Foundations
Partition walls
Separating walls
Solid walls
Beam/block flooring

Lightweight Blocks

Medium density blocks for many applications.

Applications: External leaf of cavity walls
Internal leaf of cavity walls
Partition walls
Foundations/below dpc
Solid walls
Beam/block flooring



Dense Blocks

Blocks with low movement characteristics providing good sound insulation properties and impact resistance.

Applications: External leaf of cavity walls
Inner leaf of cavity walls
Separating walls
Partition walls
Foundations/below dpc
Solid walls
Beam/block flooring

Paint Grade Blocks

Available in both lightweight and dense with a textured face suitable for direct decoration. Paint grade blocks are most commonly used in commercial and leisure buildings.

Applications: External leaf of cavity walls
Internal leaf of cavity walls
Partition walls
Foundations/below dpc

Foundation Blocks

Specifically produced to be used below dpc level.

Coursing Bricks

Used for infilling small areas in order to eliminate cutting and wastage of full size blocks.

CUSTOMER ADVICE

Standard block size is
440mm x 215mm x 100mm
Number per m² = 10 blocks
1 cubic metre of mortar will lay
approximately 1500 standard 100mm
blocks

ADD-ON SALES

- Cement
- Wall ties
- Hessian sheet
- Brick hammer
- Sand
- Dpc
- Brick chisel
- Block saw (Aircrete only)

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