

Ebloc

Date Created: 29/01/21



Marshall's Bricks and Masonry manufacture a range of blocks (known as "e-bloc") and can help supply the best building solution for your needs. Marshall's **e-bloc** are manufactured and tested in accordance to BS EN 771-3, ensuring a consistent high quality finish is achieved. Our block is widely recognised within the masonry market, by developers, groundworkers and builders merchants alike.

Marshall's e-bloc is a dense aggregate block available in both 100mm and 140mm sizes. Produced to 7.3N/mm² or 10N/mm² strength they can be used in all parts of a project above and below damp proof coursing. The blocks are produced in a solid form, with a closed texture appearance similar to that of a fair faced or paintgrade block. They are approved for render systems by companies such as Ecorend, part of the Weatherby Group.

Marshall's **e-bloc** are packaged to protect them from the weather which ensures the product is dry when they come to be laid, the packaging is also voided to allow for forklift trucks to easily move the product without the requirement of pallets. They can also be supplied on a mixed product load with a number of other Marshall's Bricks & Masonry products, including concrete commons, facings and engineering bricks.

Suitable for range of applications including:

- Inner and outer leaves of cavity walls.
- Partition Walls.
- Block & Beam Flooring.
- Reinforced Walls.
- Above or below ground conditions (including below DPC).

DESCRIPTION

Green Guide	A+
CE Marking/DOP	www.marshalls.co.uk/dop
NBS Specification	F10/355

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PHYSICAL PROPERTIES

Work Dimensions (mm)	440 x 215 x 140 440 x 215 x 100
Durability (Freeze-thaw)	Blocks with strengths in excess of 7.3N/mm ² are classed as frost resistant and can be used below dpc on outer layers of cavity walls. Where sulphate ground conditions have been identified, aggregate blocks can still be used up to and including Class DS-3 sulphate soil classification as detailed in BRE Special Digest 1
Thermal Conductivity (K value)	1.01 W/mK (@3%); 1.08 W/mK (@5%) 1.11 W/mK (Dry)
Compressive Strength (MPa)	7.3 or 10.4
Water Vapour Permeability	5/15 (tabulated from EN 1745)
Shear Bond Strength	0.15N/mm ² (tabulated from EN998-2:2003 Annex C)
Dimensional Stability	<0.6mm/m

SPECIFICATION

Selection Of Mortar	Mortars: refer to BTB 4
Emission of Asbestos	No content
Reaction to fire	Application of plaster or dry lining finishing will increase the period of resistance. Blocks are designated noncombustible
Dangerous Substances	No performance declared
Movement Joints	Spacing and width should be based on the guidelines provided in BS EN 1996 - Design of Masonry Structures. See BTB5 for additional information refer to BTB5
Moisture Movement	<0.6mm/m

APPLICATION

Suitability	Dense aggregate blocks suitable for secondary coat finish such as render, plaster or paint. Produced to 7.3N/mm ² and 10N/mm ² strengths they can be used in all parts of a project above and below dpc.
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SITE WORKS

Installation	Refer to technical BTB1
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SUPPLY

Packaging	Stretch hood and Banded void packs suitable for tines or block grab. 100mm products - 66 number per pack 140mm products - 44 number per pack.
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FURTHER INFORMATION

Cleaning & Maintenance	Cleaning & maintenance details are available on request
Efflorescence	Any product containing cement during its early life may exhibit a temporary white discolouration known as efflorescence. This is not a product fault and will gradually disappear with exposure to natural weathering and trafficking
Product Evolution	The evolution of new product design is continuous and information is subject to change without notice. Customers should check with the supplier to ensure that they have the latest details Marshall's reserve the right to amend the technical information as deemed necessary and in accordance with the relevant national and international standards without notice
Contact Us	As many of these products are made to order for specific markets, please obtain further details on specification details, product availability, pack sizes and weights from your local Edenhall Sales Office, or alternatively call our Head Office