

Declaration of Performance

Manufacturer and authorised representative:

DB Group (Holdings) Ltd, Wellington Way, Bourn Airfield, Cambridge, CB23 2TQ, United Kingdom

Herewith declare that the product **Cemfree Masonry Mortar** is in conformity with the provisions set out below when used in accordance with the instructions contained in the product documentation:

Cemfree Masonry Mortar - DoP

And the standards referenced below have been applied:

- BS EN 998-2 - Specification for mortar for masonry
- BS EN 1015-7 - Methods of test for mortar for masonry. Determination of air content of fresh mortar
- BS EN 1015-9 - Methods of test for mortar for masonry - Determination of workable life and correction time of fresh mortar
- BS EN 772-22 - Methods of test for mortar for masonry. Determination of freeze / thaw resistance of clay masonry units
- BS EN 1015-10 - Methods of test for mortar of masonry. Determination of dry bulk density of hardened mortar
- BS EN 1015-17 - Methods of test for mortar for masonry. Determination of Chloride Ion Content
- EN 1015-11 - Methods of test for mortar of masonry. Determination of flexural and compressive strength of hardened mortar
- BS EN 1015-18 - Methods of test for mortar for masonry. Determination of Water Absorption
- EN 1745 Determination of Thermal Conductivity & Water Vapour Permeability
- BS EN ISO 9001: 2015 Quality management systems

Description of product

1.1 **Cemfree Masonry Mortar** contains no Portland cement; it is an Alkali Activated Cementitious Material (AACM) 3-part sand : 1-part binder; 95% Ground Granulated Blast Furnace Slag (GGBS) 5% Cemfree activator.

1.2 **Cemfree Masonry Mortar** is an ultra-low carbon alternative to traditional mortars. It offers the same characteristics of traditional mortars with excellent workability, reduces the environmental impacts related to resource depletion, global warming potential (GWP) and waste to landfill, supporting the drive to a more circular economy.

Provisions to which the product conforms

Physical & Mechanical Properties		
Property Tested	Average Value	Test Method
Compressive Strength	4.8	EN 1015-11
Workable Life	330 (min)	BS EN 1015-9
Air Content	5%	BS EN 1015-7
Bulk Density of hardened mortar	1670 kg/m ³	BS EN 1015-10
Chloride Content (%)	<0.01	EN 1015-17
Water Vapour permeability	μ15/35	EN 1745
Water Absorption	0.62	BS EN 1015-18
Thermal Conductivity	0.61 & 0.66	EN 1745
Bond Strength	0,15 N/mm ²	Declared Tabulated
Reaction to Fire	Euroclass A1	Declared
Durability against Freeze Thaw	Passive	EN 772-22

Batch / Serial Number

M4 Cemfree Masonry Mortar

Storage & Handling

Cemfree Masonry Mortar should be stored in dry 25kg and bulk bags or dry mortar silos and handled according to the Material Safety Data Sheets (MSDS).

Personal Protective Equipment

Cemfree Masonry Mortar must be handled in line with up-to-date H&S guidelines. Please refer to Cemfree Masonry Mortar MSDS for further information.

Applications

Suitable for internal brick & blockwork / Protected Environments in accordance with table 15 in PD 6697

Contact Us

For further information regarding Cemfree Masonry Mortar, please contact our Cemfree team or Technology department on 01954 780 687 (wait for options).

Manufacturer and authorized representative:

Name: Harry Rae



Position: Senior Technical Advisor

Date: 07/06/22

Version History				
Date	Description	Revision	Author	QC
07/06/22	Final Document	N/A	KW	HR

Legal terms & disclaimer

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